



United States Department of Agriculture

Colorado Snow Surveys

Water Availability Task Force Meeting

September 17th, 2014

NRCS Snow Survey and Water Supply Forecasting Program

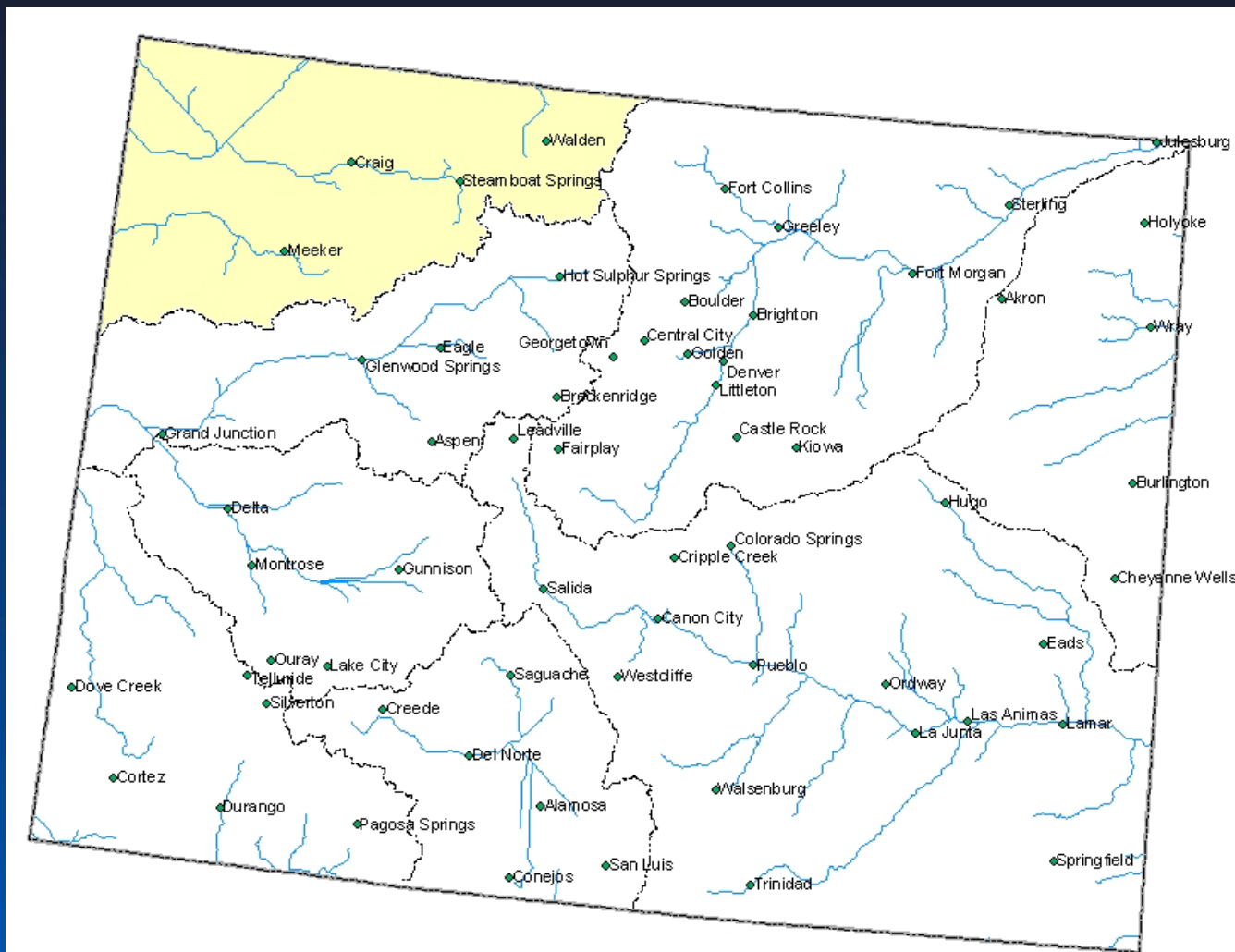
Brian Domonkos

Colorado Snow Survey Supervisor

720-544-2852

<http://www.nrcs.usda.gov/wps/portal/nrcs/main/co/snow/>

Yampa, White & North Platte River Basins Summary



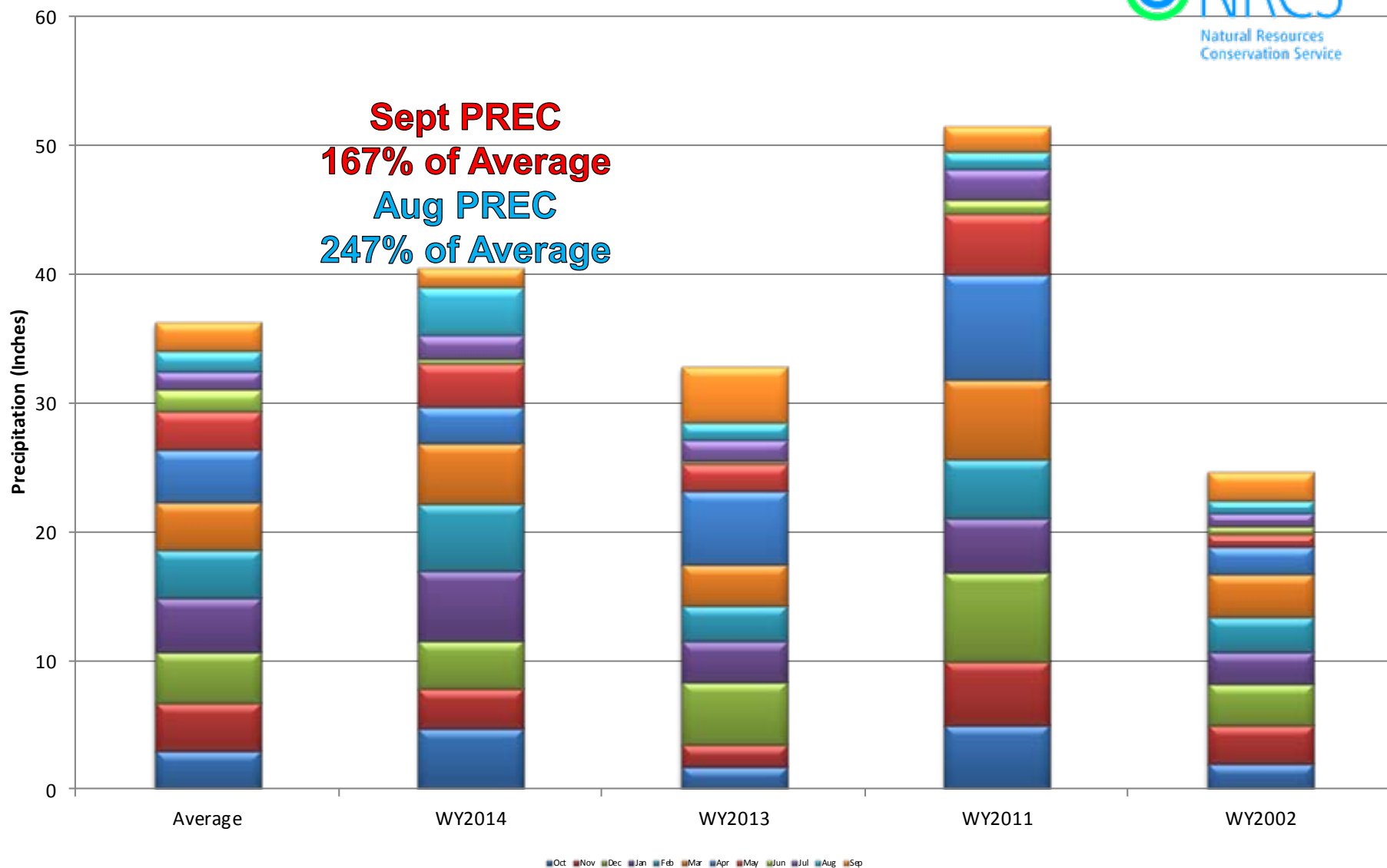


Yampa & White River Basins High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Sep 15, 2014



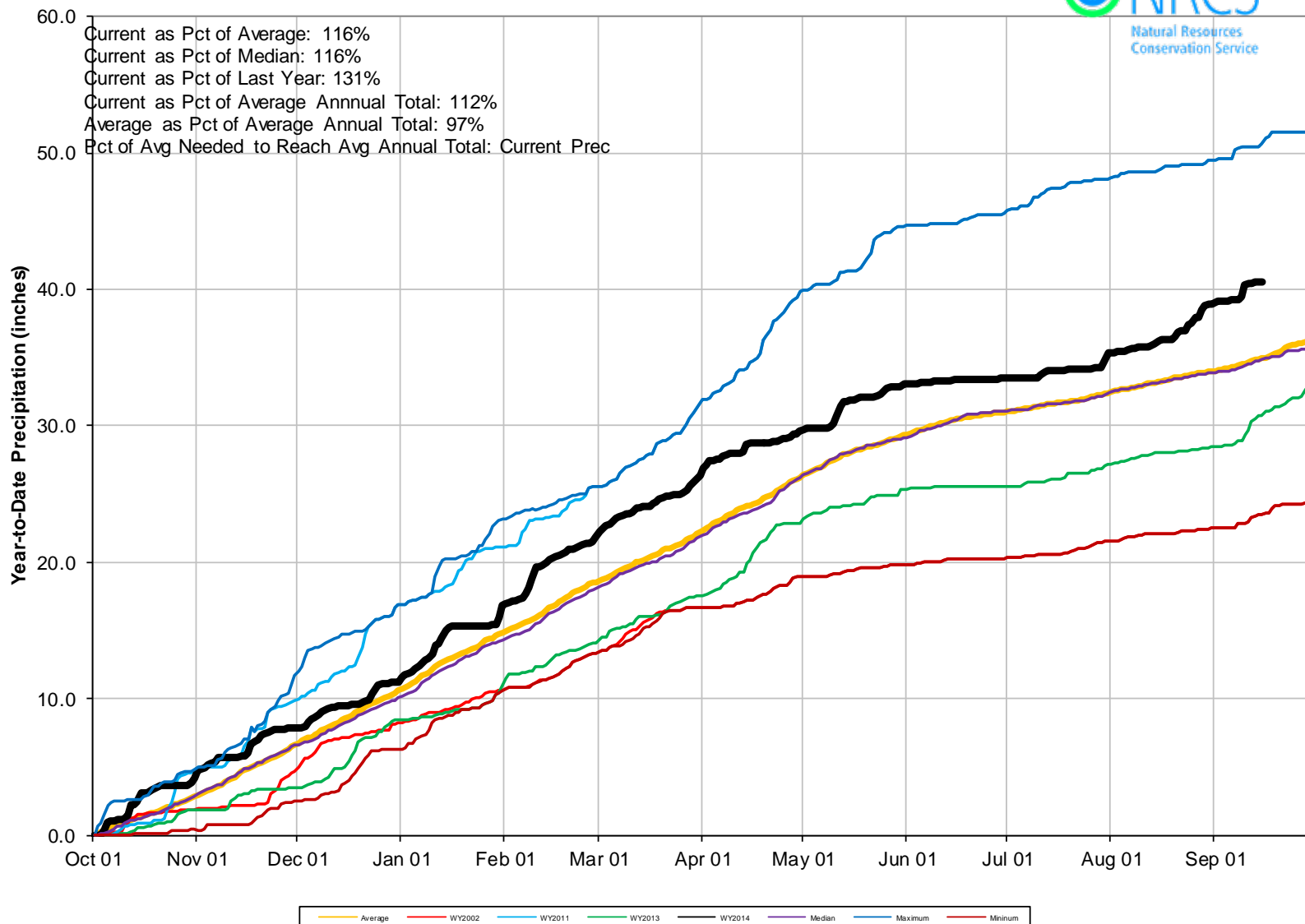
Sept PREC
167% of Average
Aug PREC
247% of Average





Yampa & White River Basins High/Low Year-to-Date Precipitation Summary

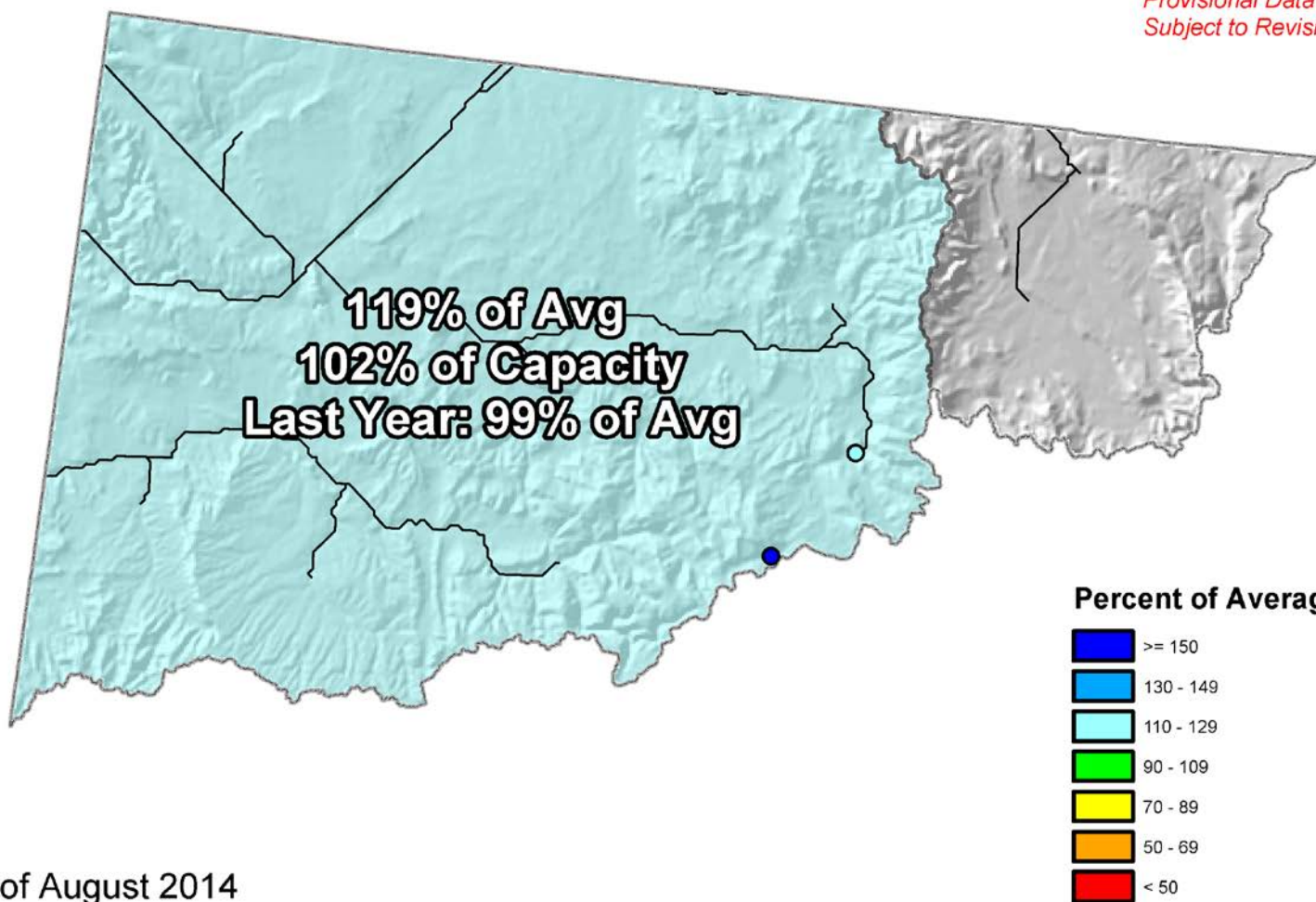
Based on Provisional SNOTEL data as of Sep 15, 2014



Yampa & White River Basins Reservoir Storage Map



*Provisional Data
Subject to Revision*



End of August 2014

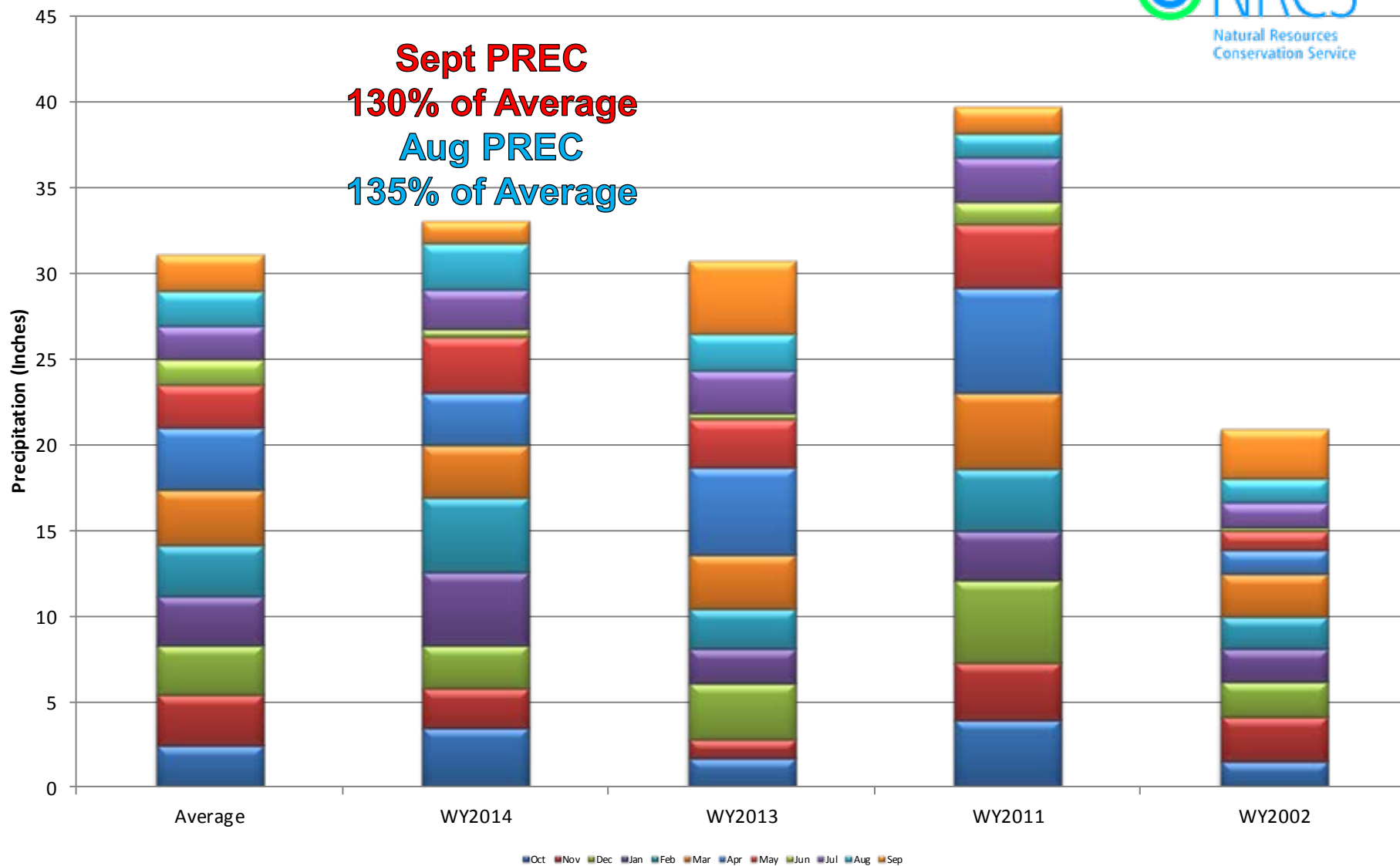
Colorado River Basin Summary





Upper Colorado River Basin High/Low Monthly Precipitation Summary

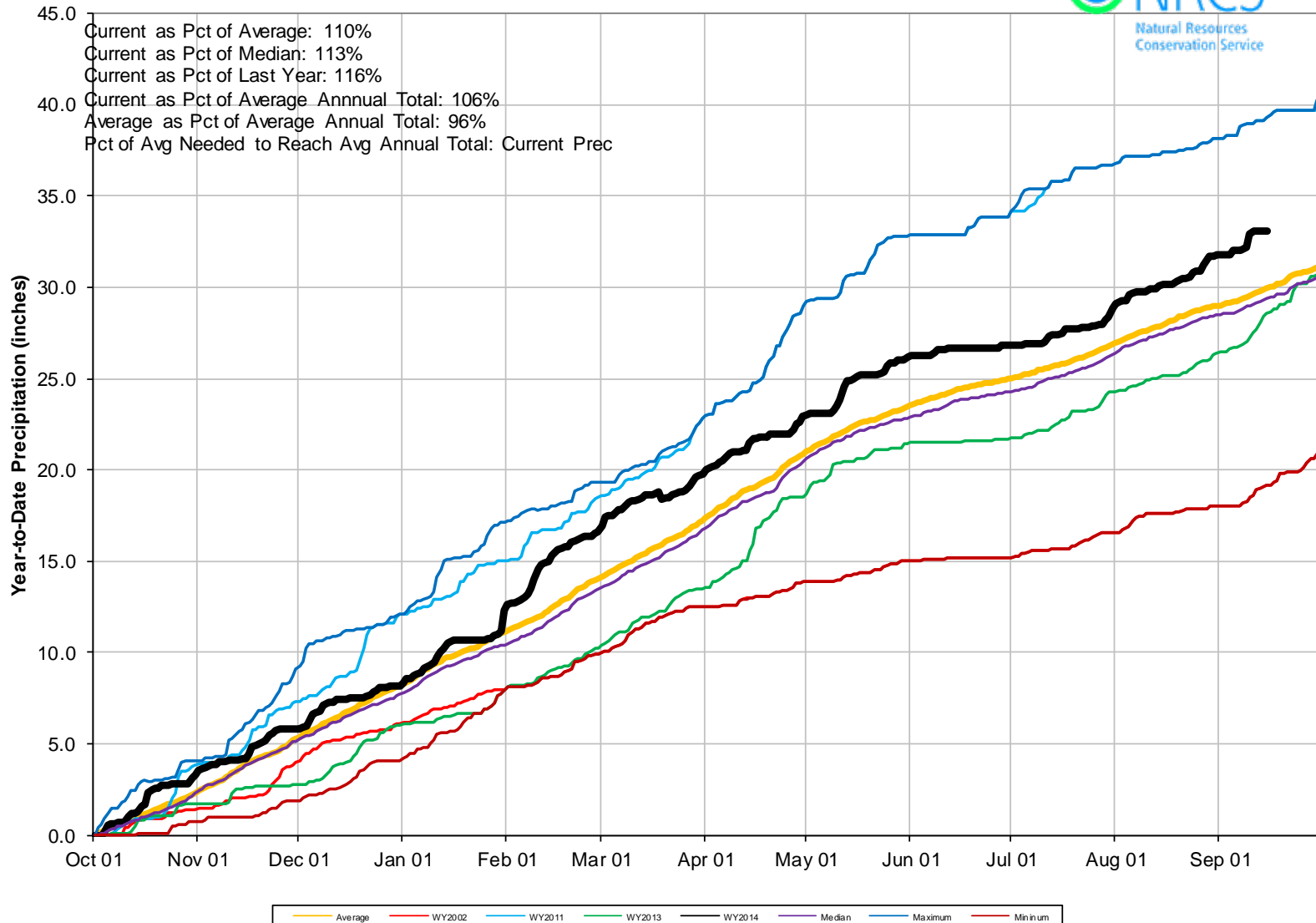
Based on Provisional SNOTEL data as of Sep 15, 2014





Upper Colorado River Basin High/Low Year-to-Date Precipitation Summary

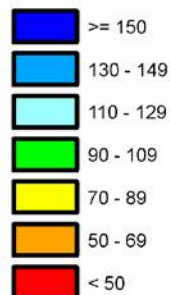
Based on Provisional SNOTEL data as of Sep 15, 2014



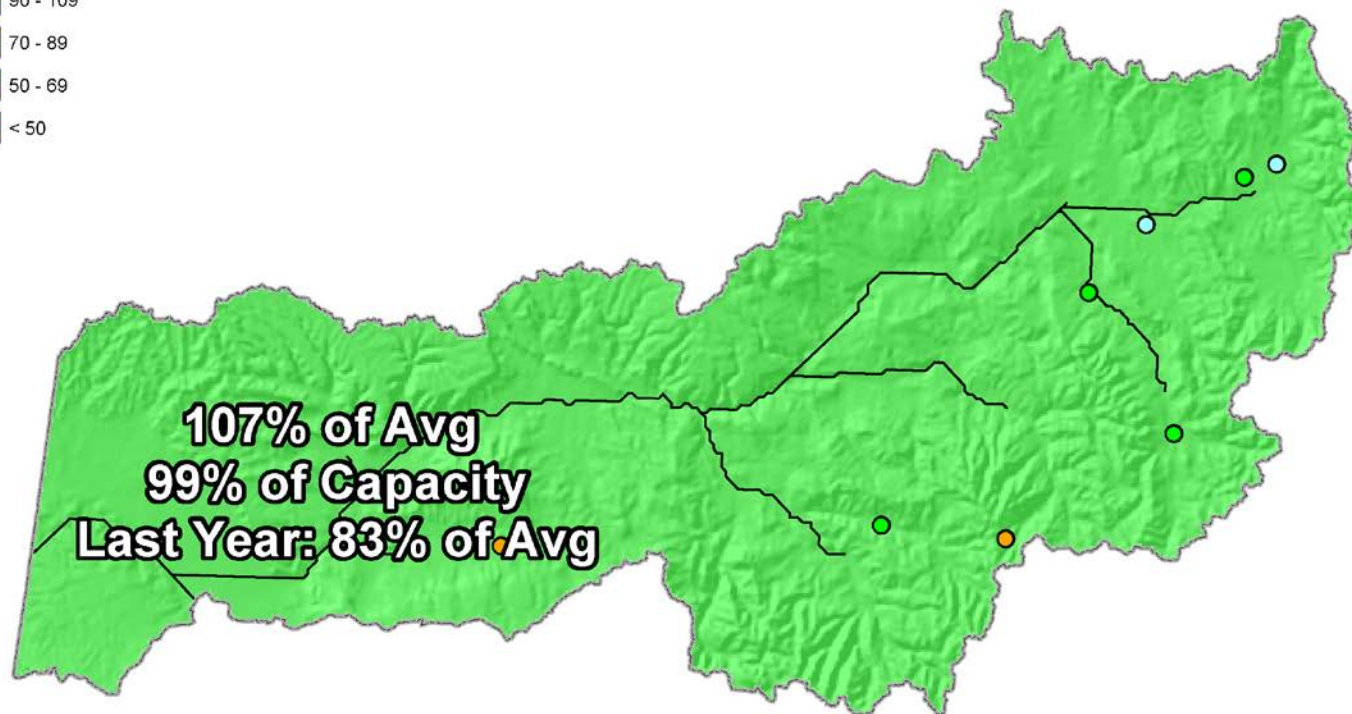
Colorado River Basin Reservoir Storage Map



Percent of Average



*Provisional Data
Subject to Revision*



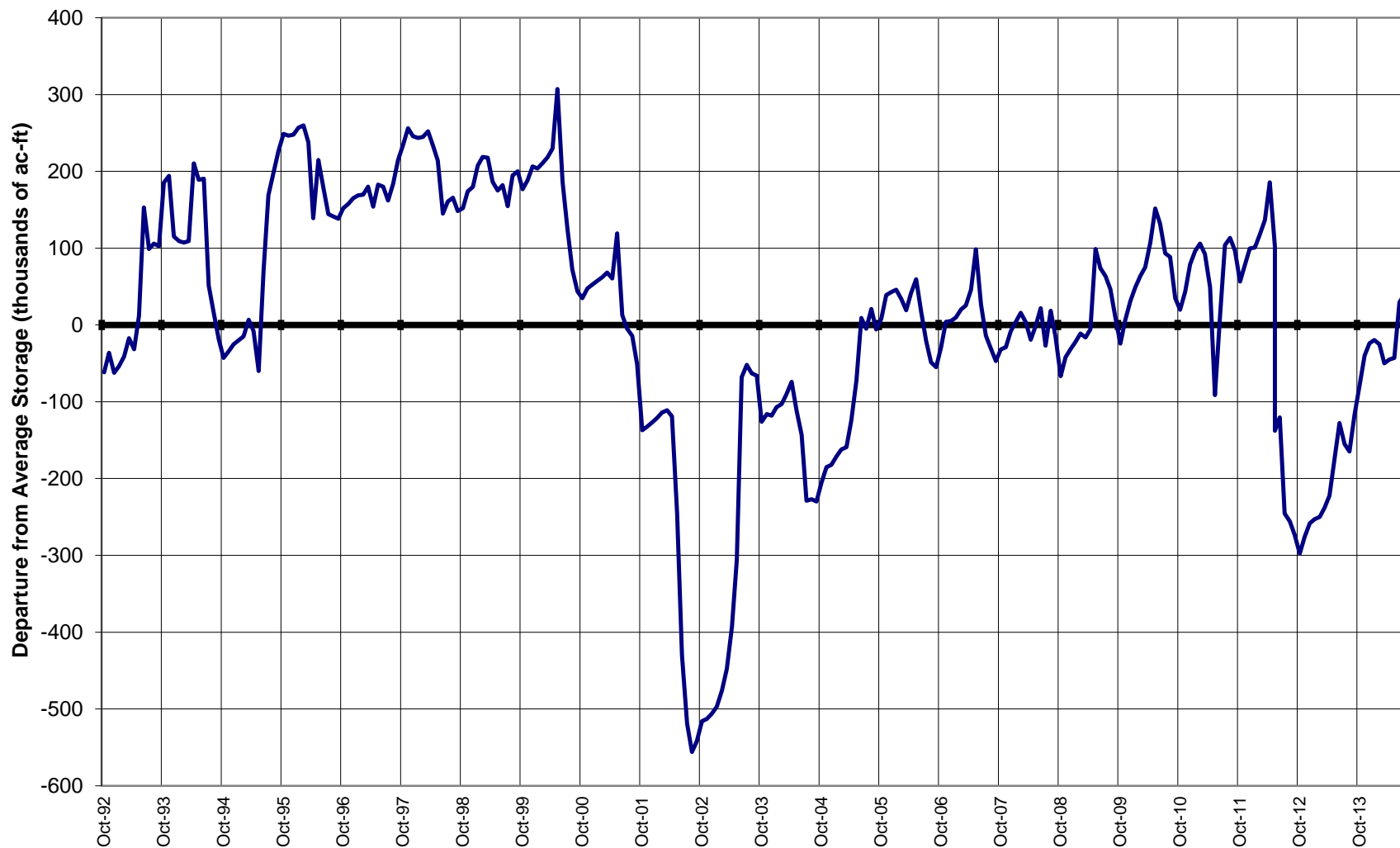
End of August 2014



COLORADO RIVER BASIN

Reservoir Storage

Departure from Average





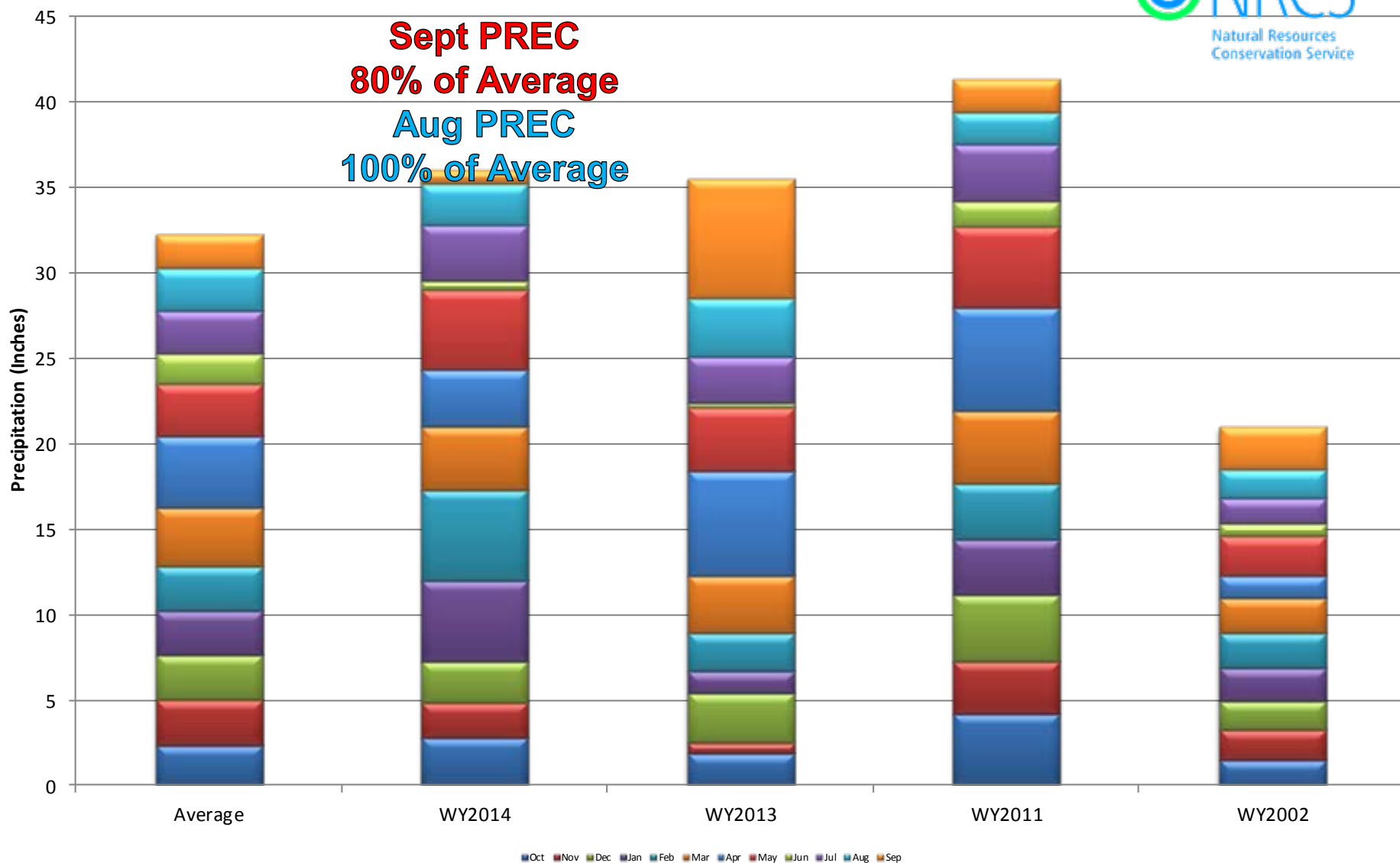


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Colorado Snow Surveys

South Platte River Basin High/Low Monthly Precipitation Summary

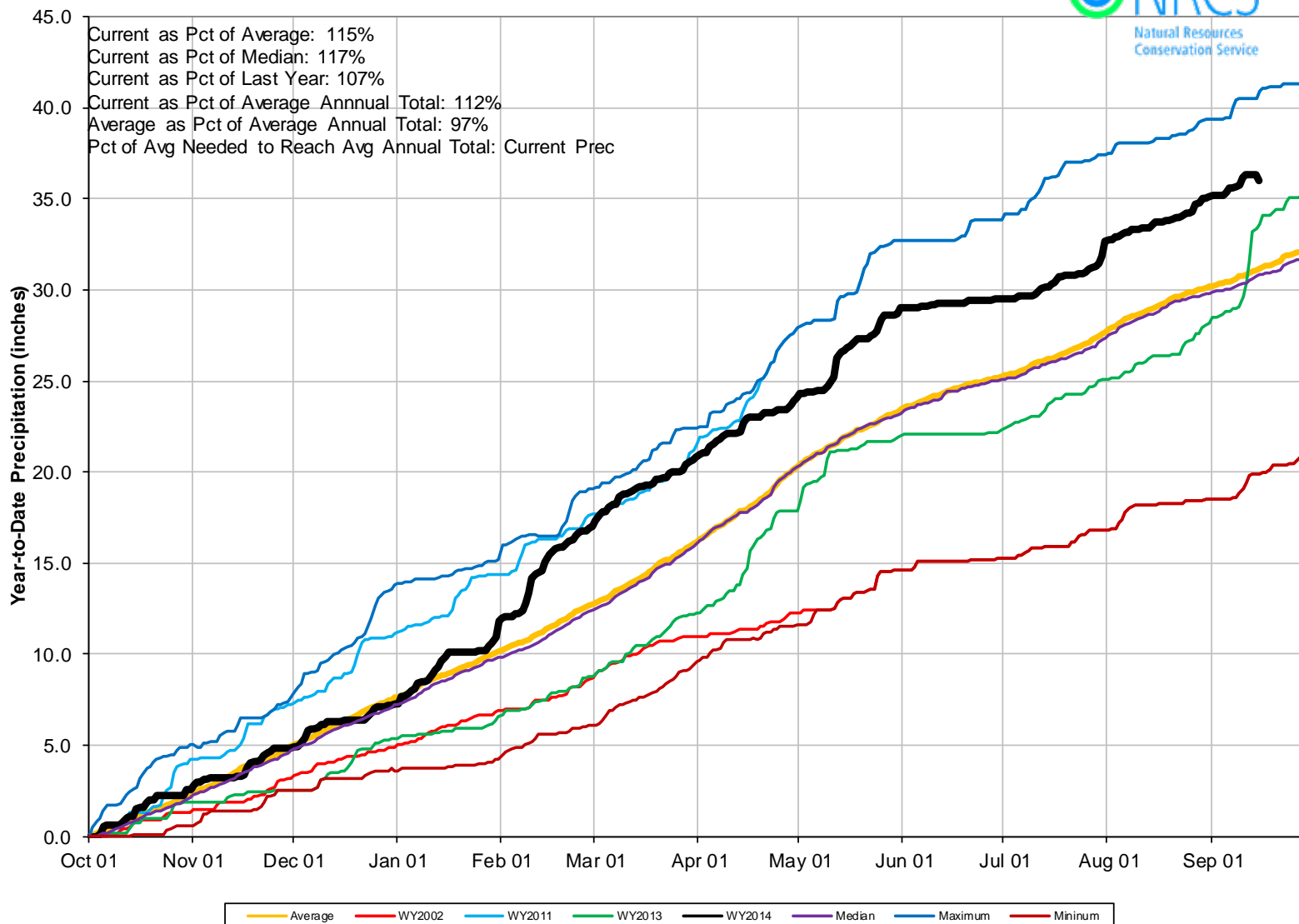
Based on Provisional SNOTEL data as of Sep 15, 2014





South Platte River Basin High/Low Year-to-Date Precipitation Summary

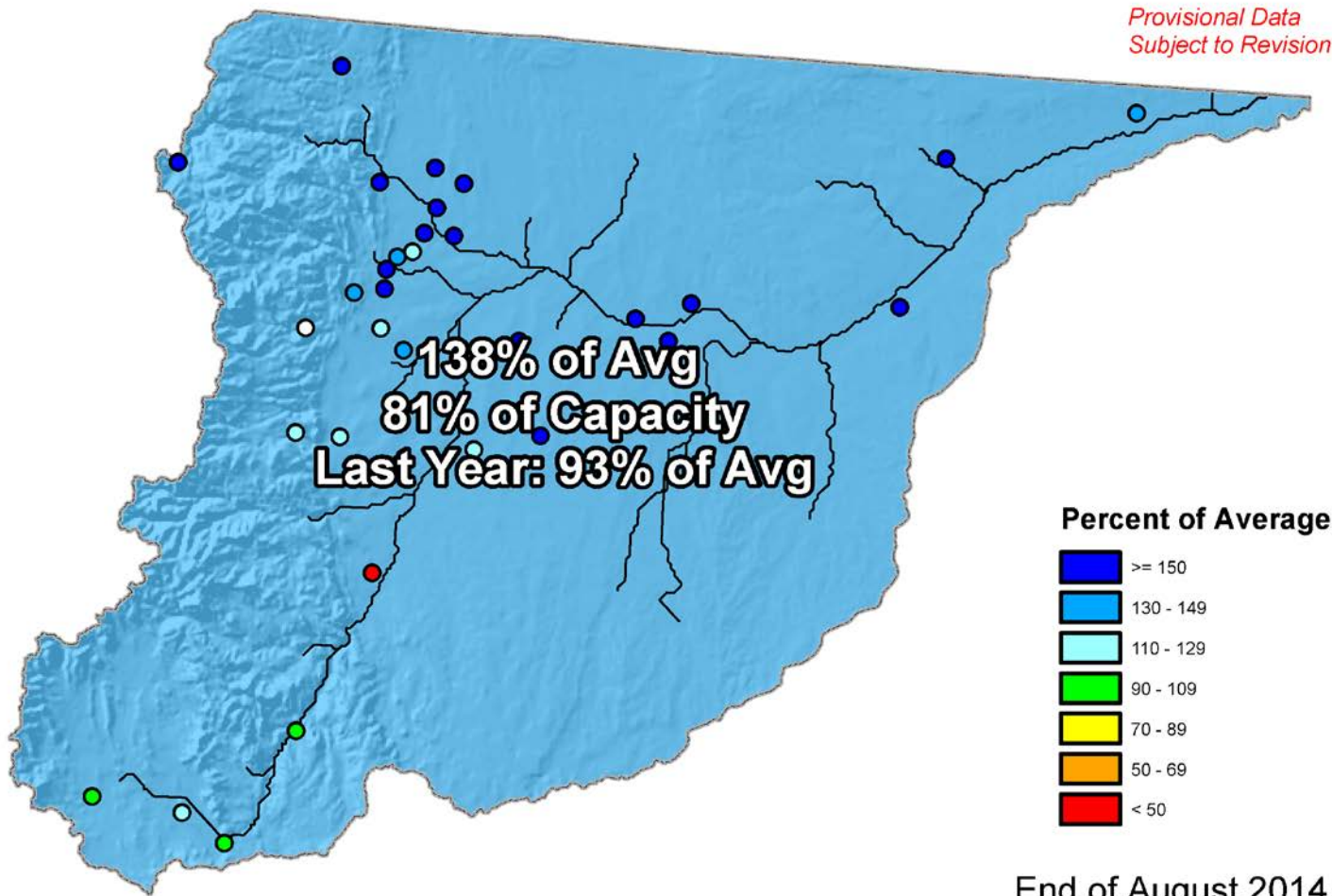
Based on Provisional SNOTEL data as of Sep 15, 2014



South Platte River Basin Reservoir Storage Map



*Provisional Data
Subject to Revision*



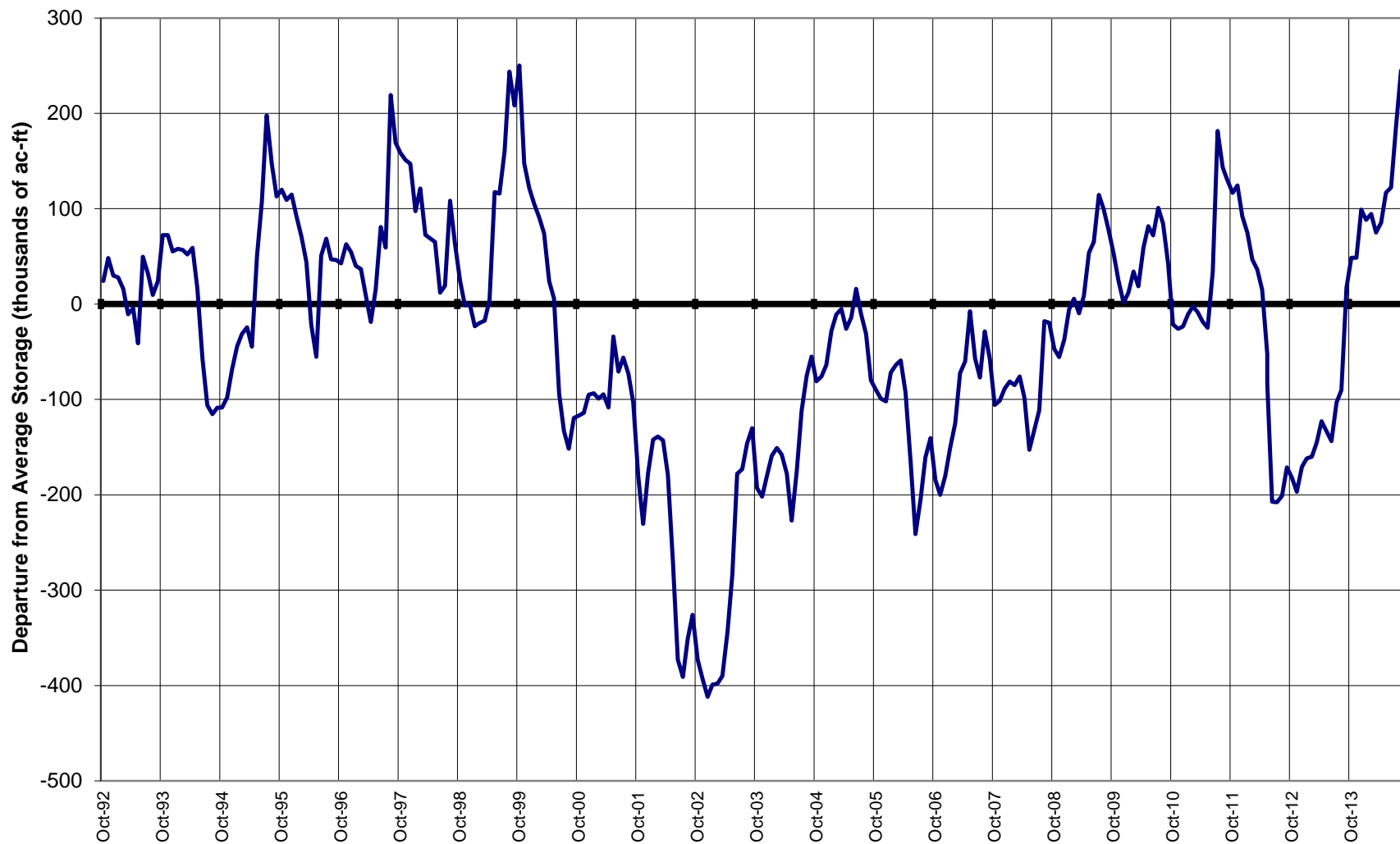
End of August 2014



SOUTH PLATTE RIVER BASIN

Reservoir Storage

Departure from Average



Gunnison River Basin Summary



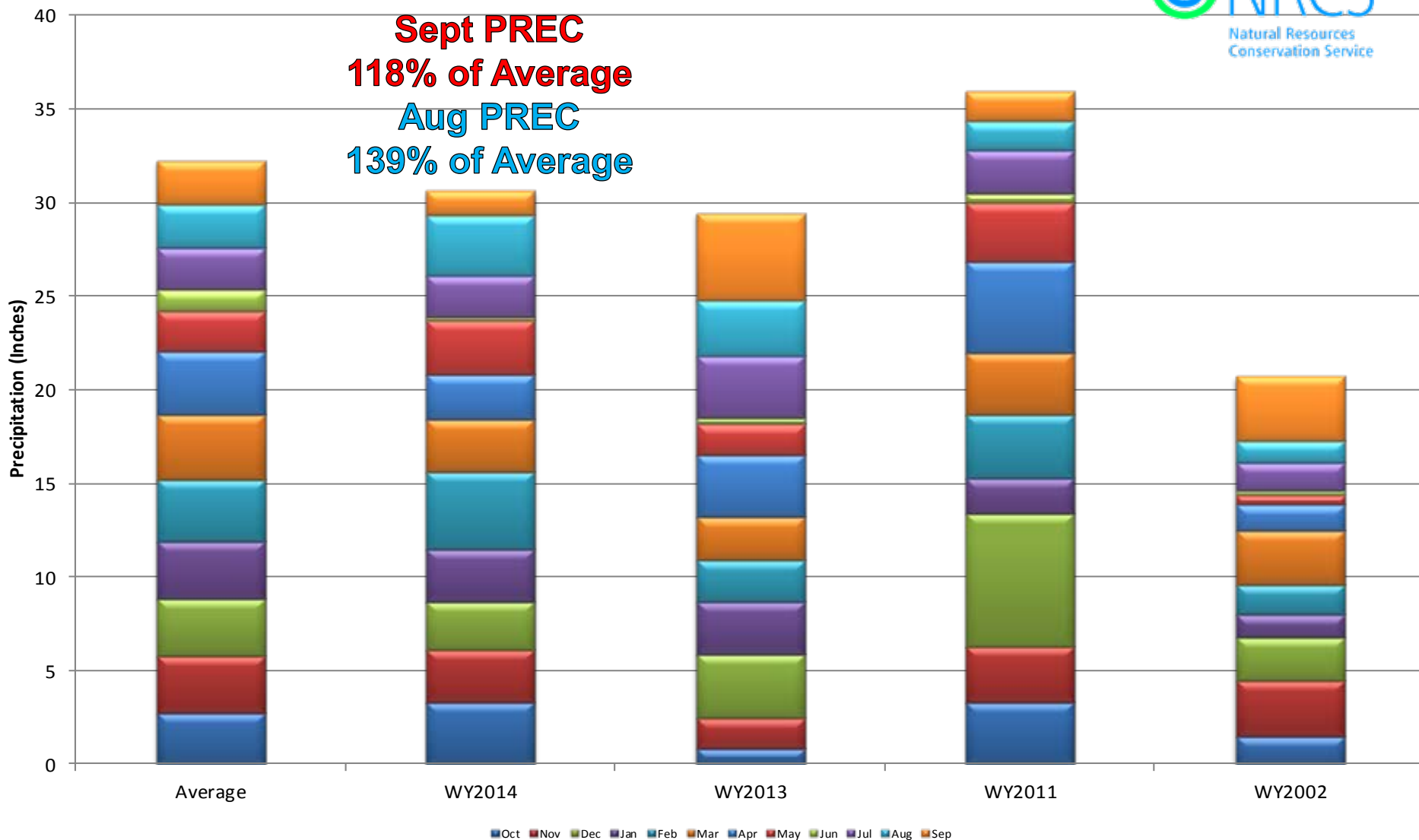


Gunnison River Basin High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Sep 15, 2014



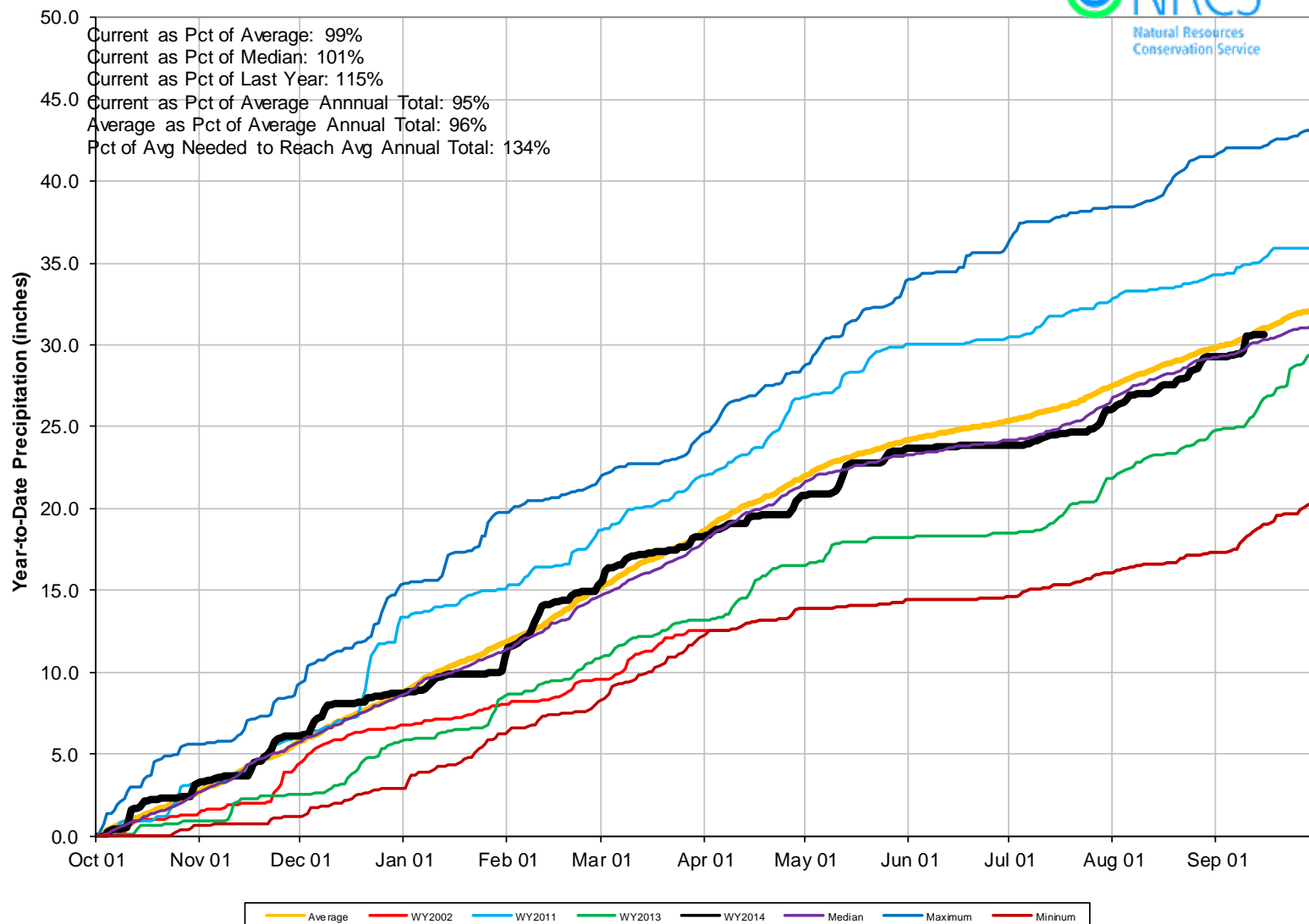
Sept PREC
118% of Average
Aug PREC
139% of Average





Gunnison River Basin High/Low Year-to-Date Precipitation Summary

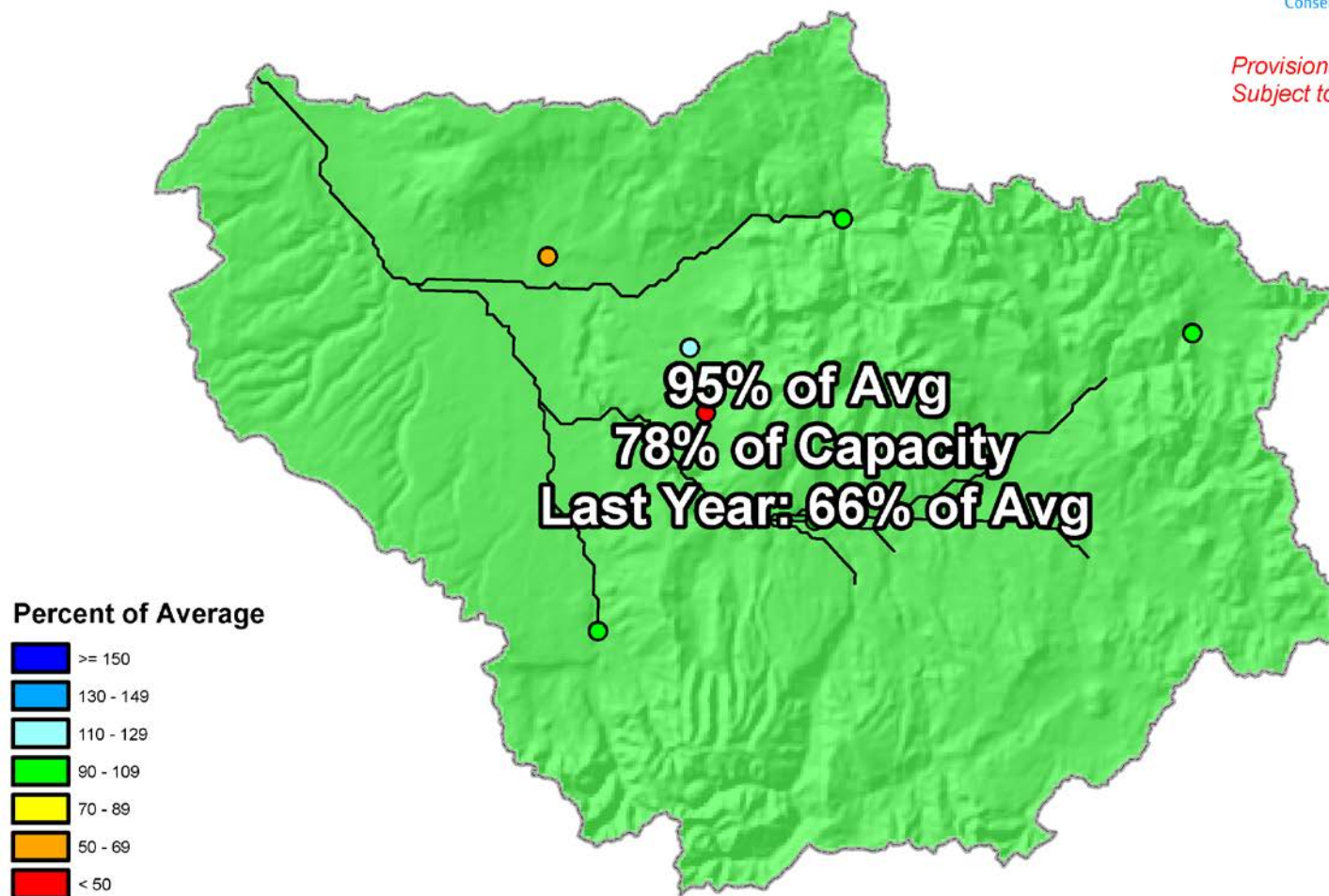
Based on Provisional SNOTEL data as of Sep 15, 2014



Gunnison River Basin Reservoir Storage Map



*Provisional Data
Subject to Revision*

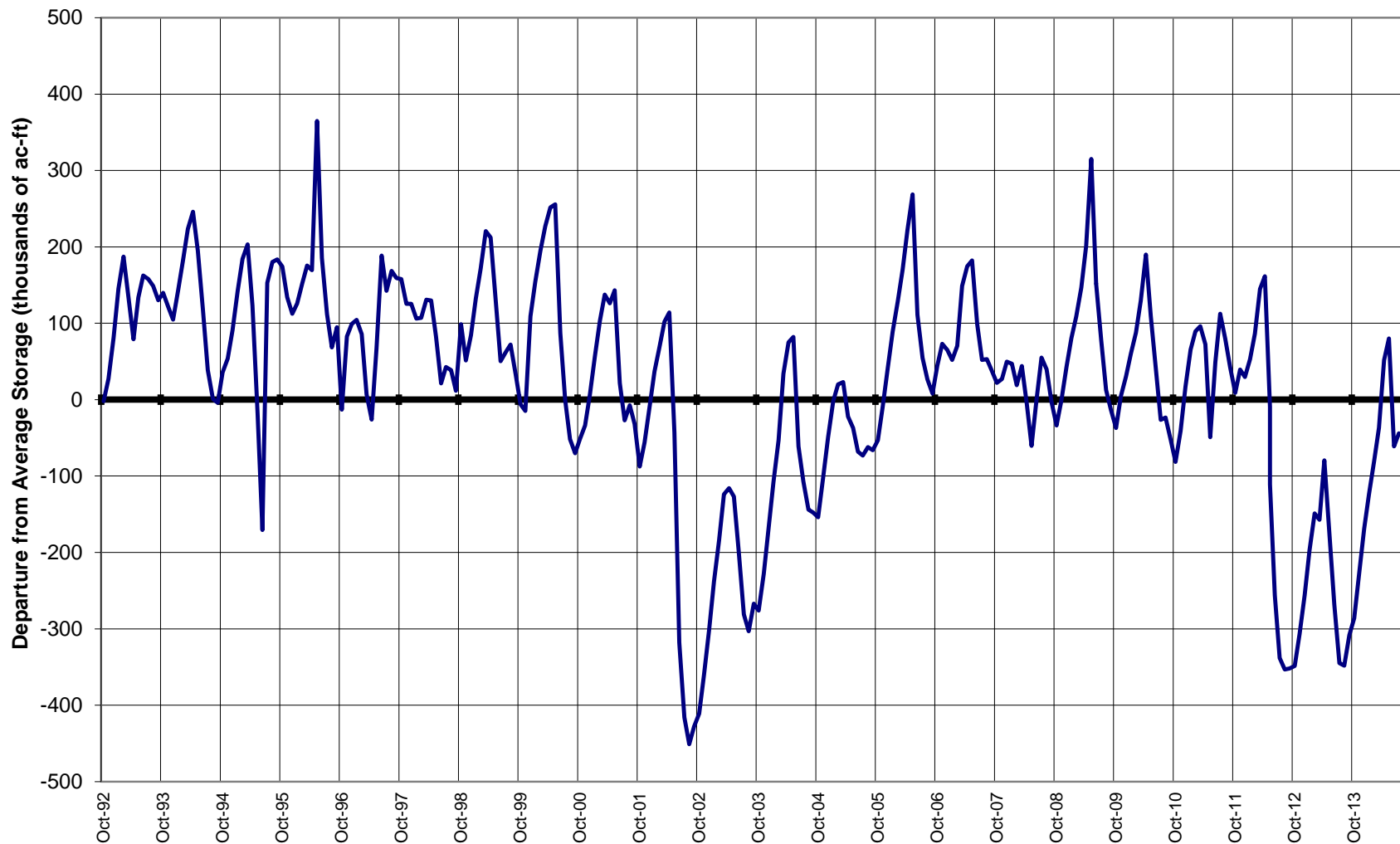


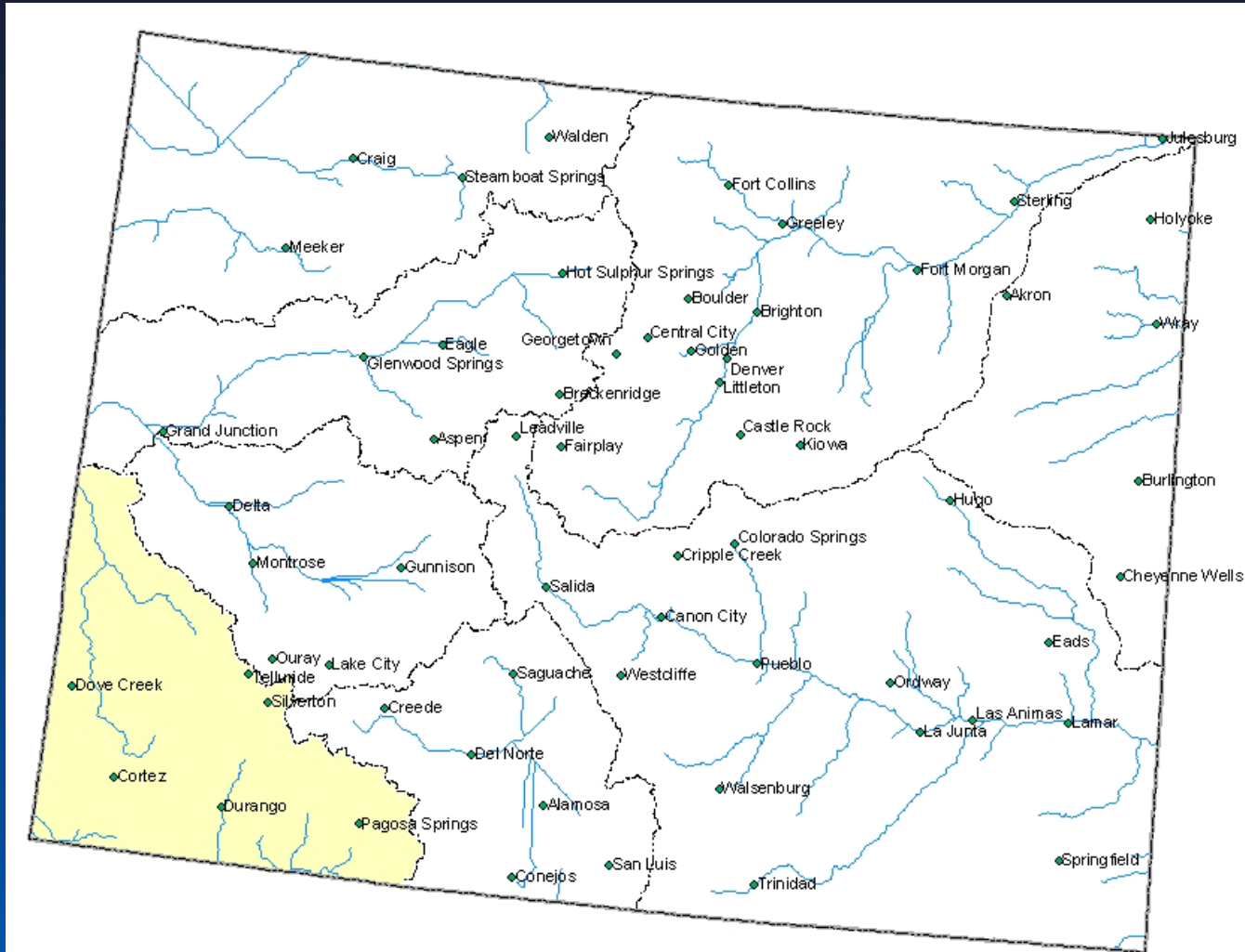
End of August 2014



GUNNISON RIVER BASIN

Reservoir Storage
Departure from Average



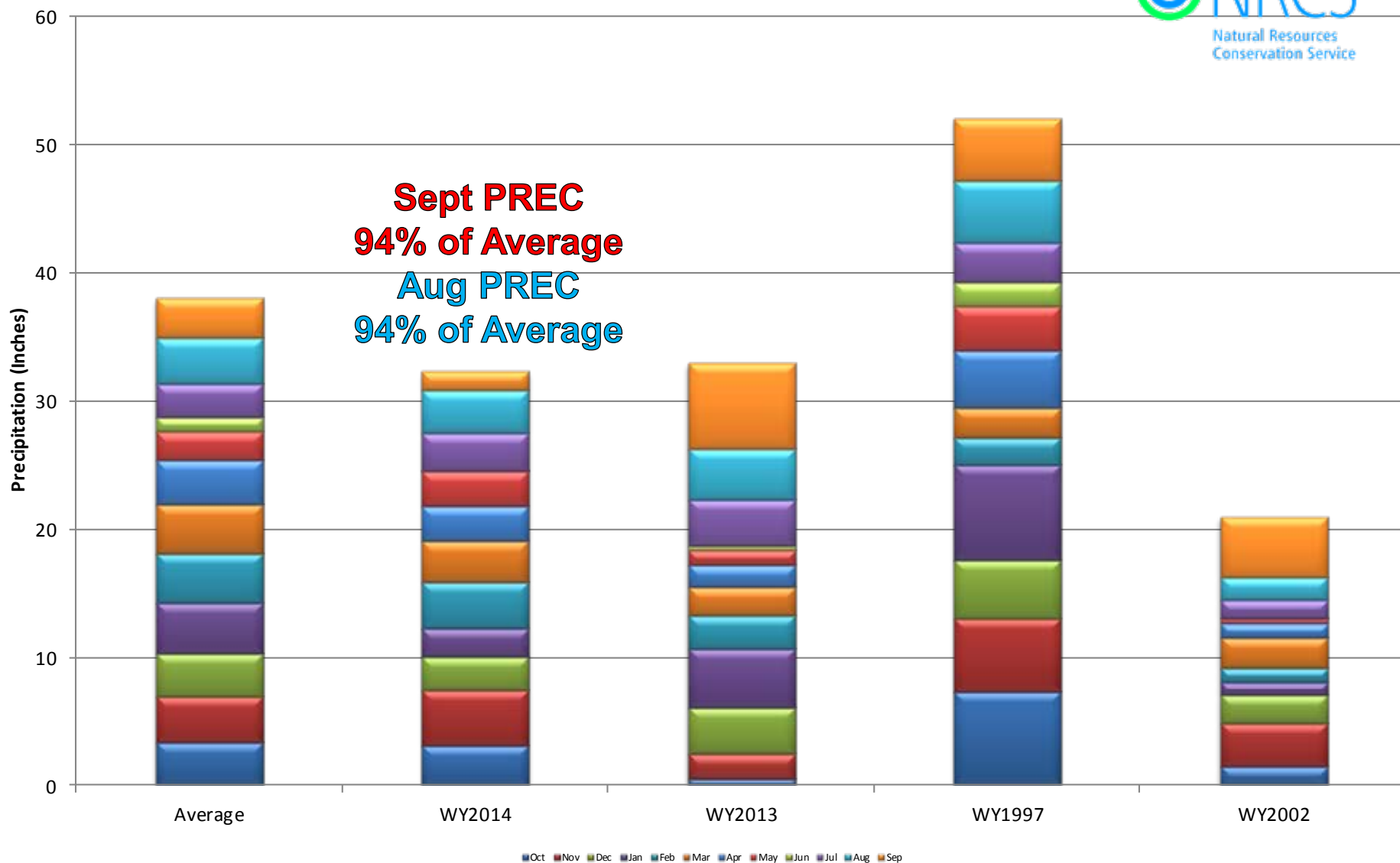




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Colorado Snow Surveys

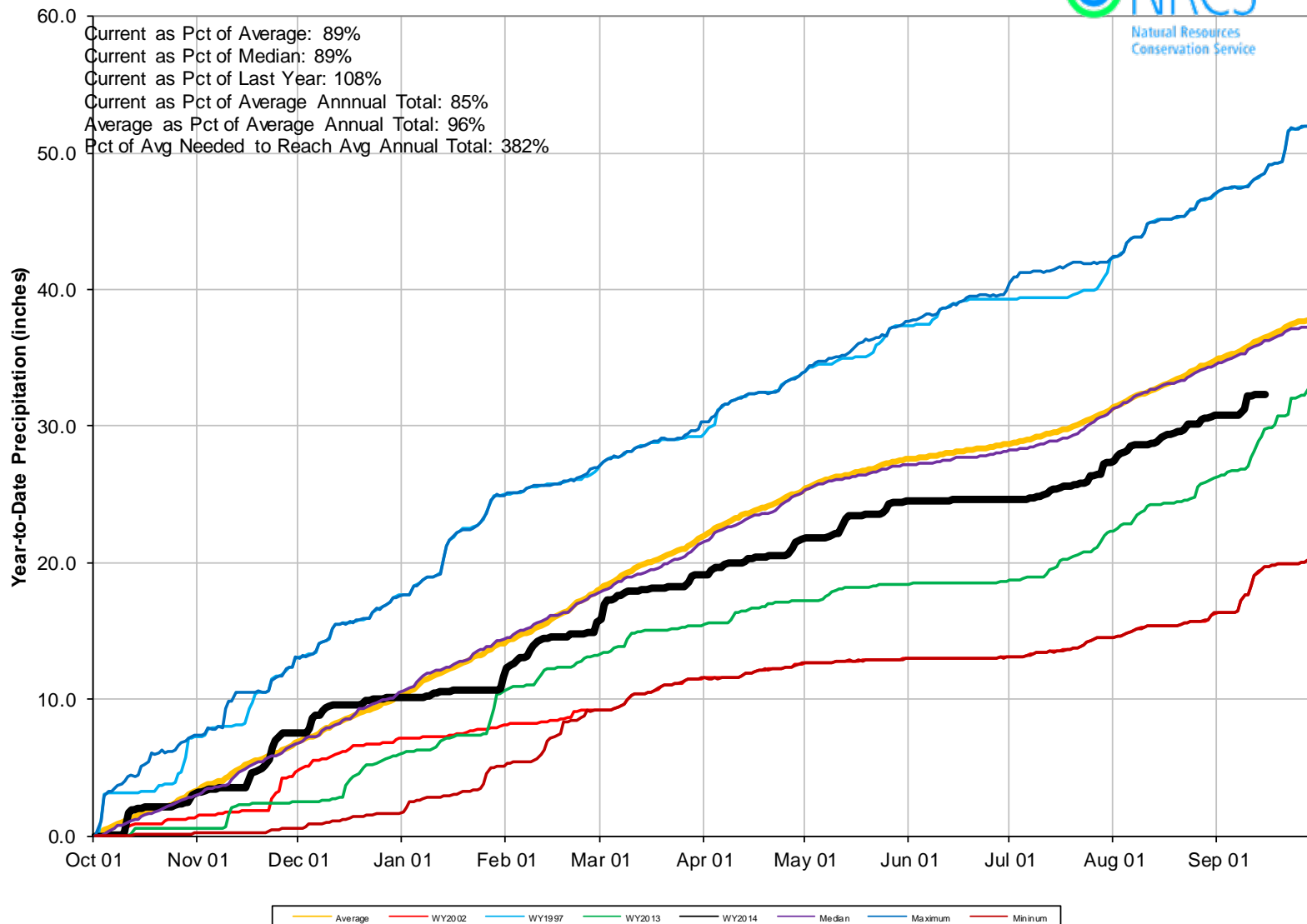
San Miguel, Dolores, Animas & San Juan River Basins High/Low Monthly Precipitation Summary





San Miguel, Dolores, Animas & San Juan River Basins High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of Sep 15, 2014

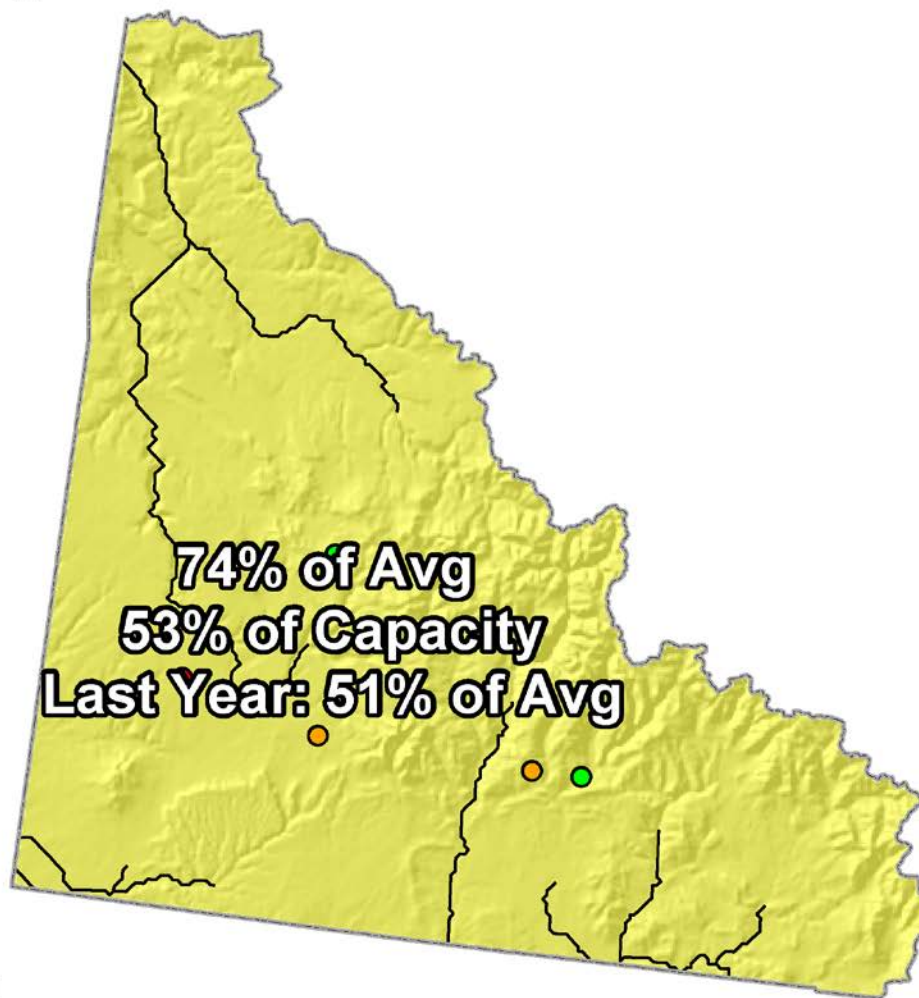
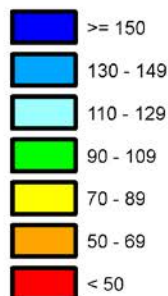


San Miguel, Dolores, Animas and San Juan River Basins Reservoir Storage Map



*Provisional Data
Subject to Revision*

Percent of Average

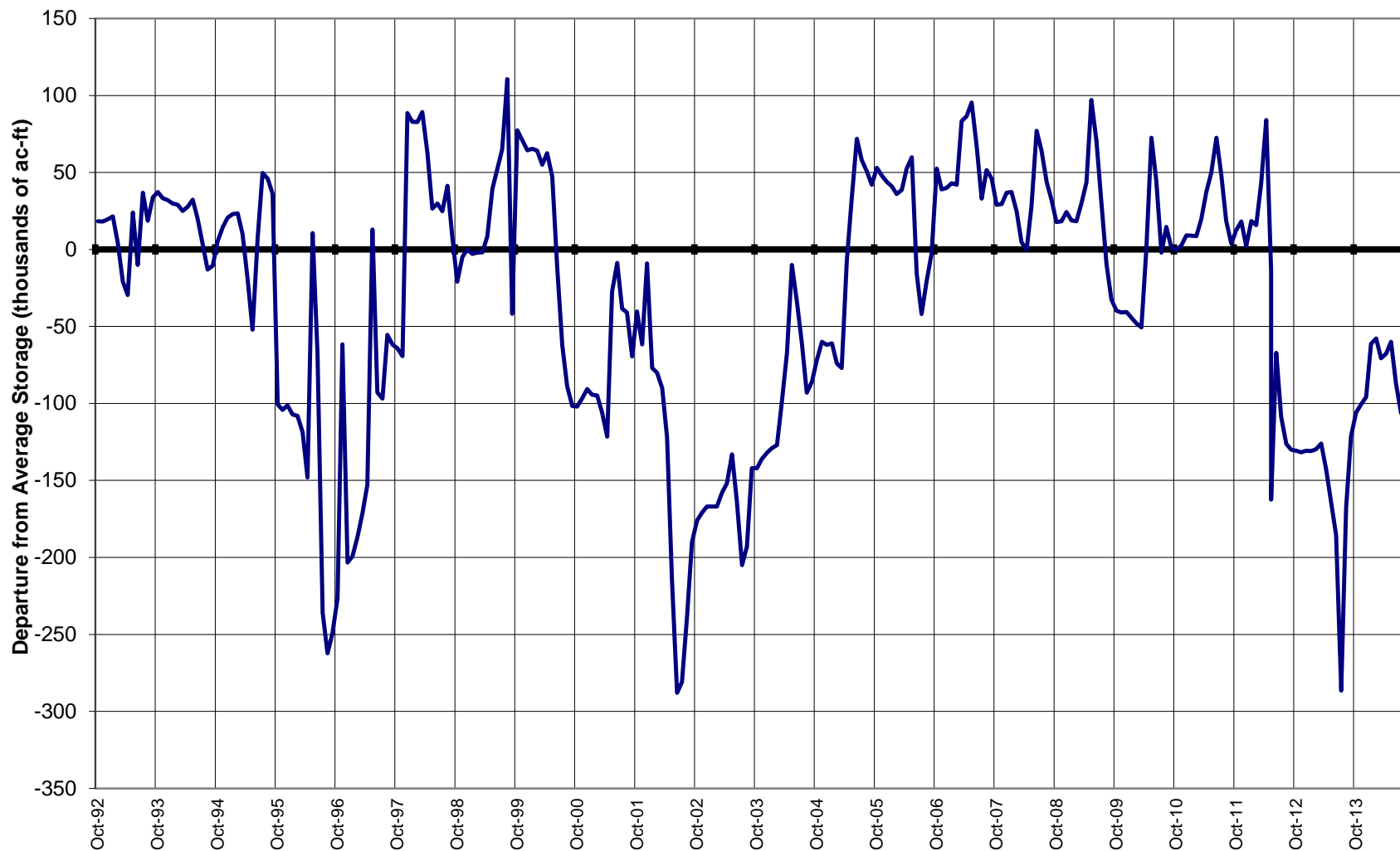


End of August 2014



SAN MIGUEL, DOLORES, ANIMAS AND SAN JUAN RIVER BASINS

Reservoir Storage
Departure from Average



Upper Rio Grande Basin Summary



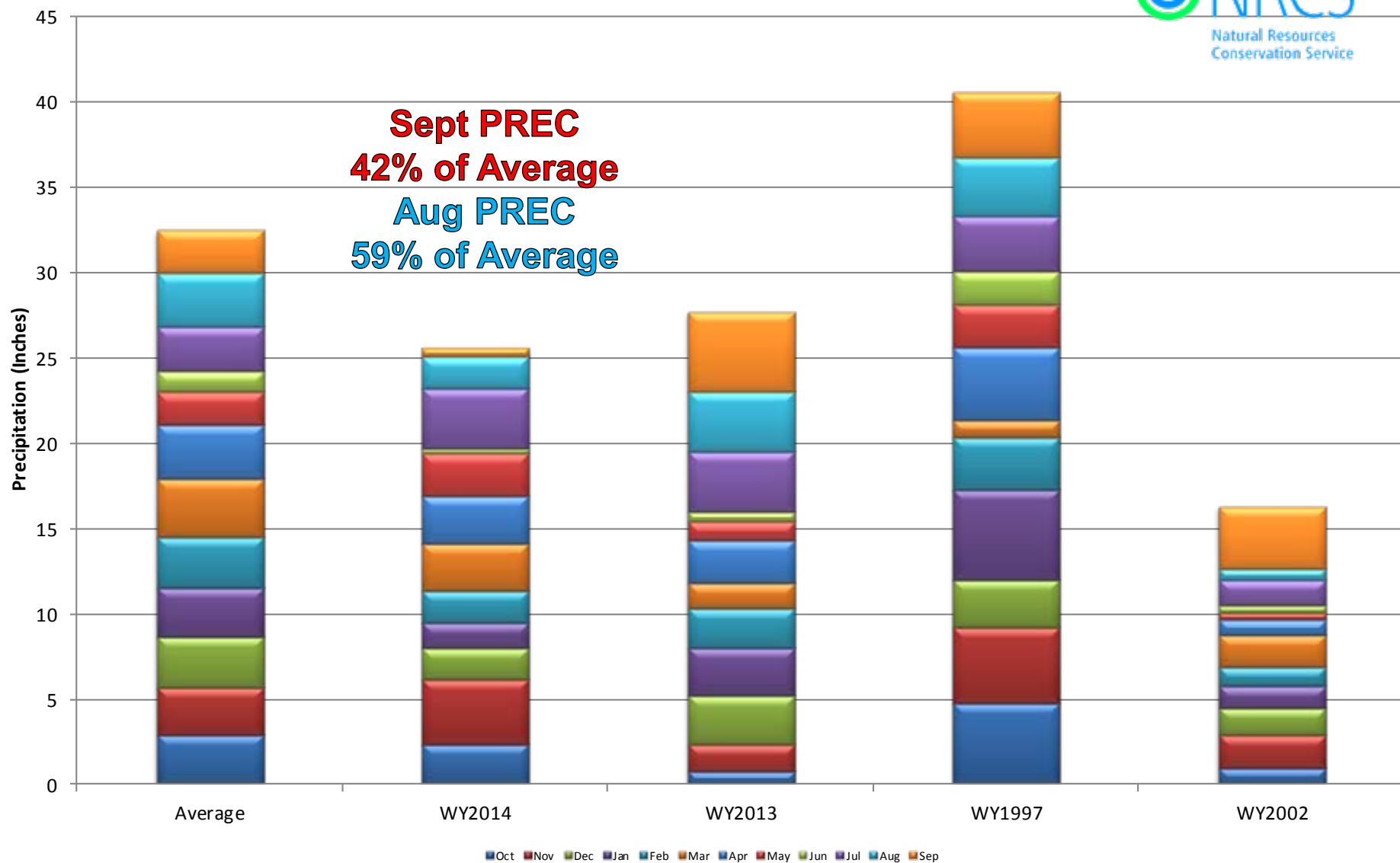


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Colorado Snow Surveys

Upper Rio Grande Basin High/Low Monthly Precipitation Summary

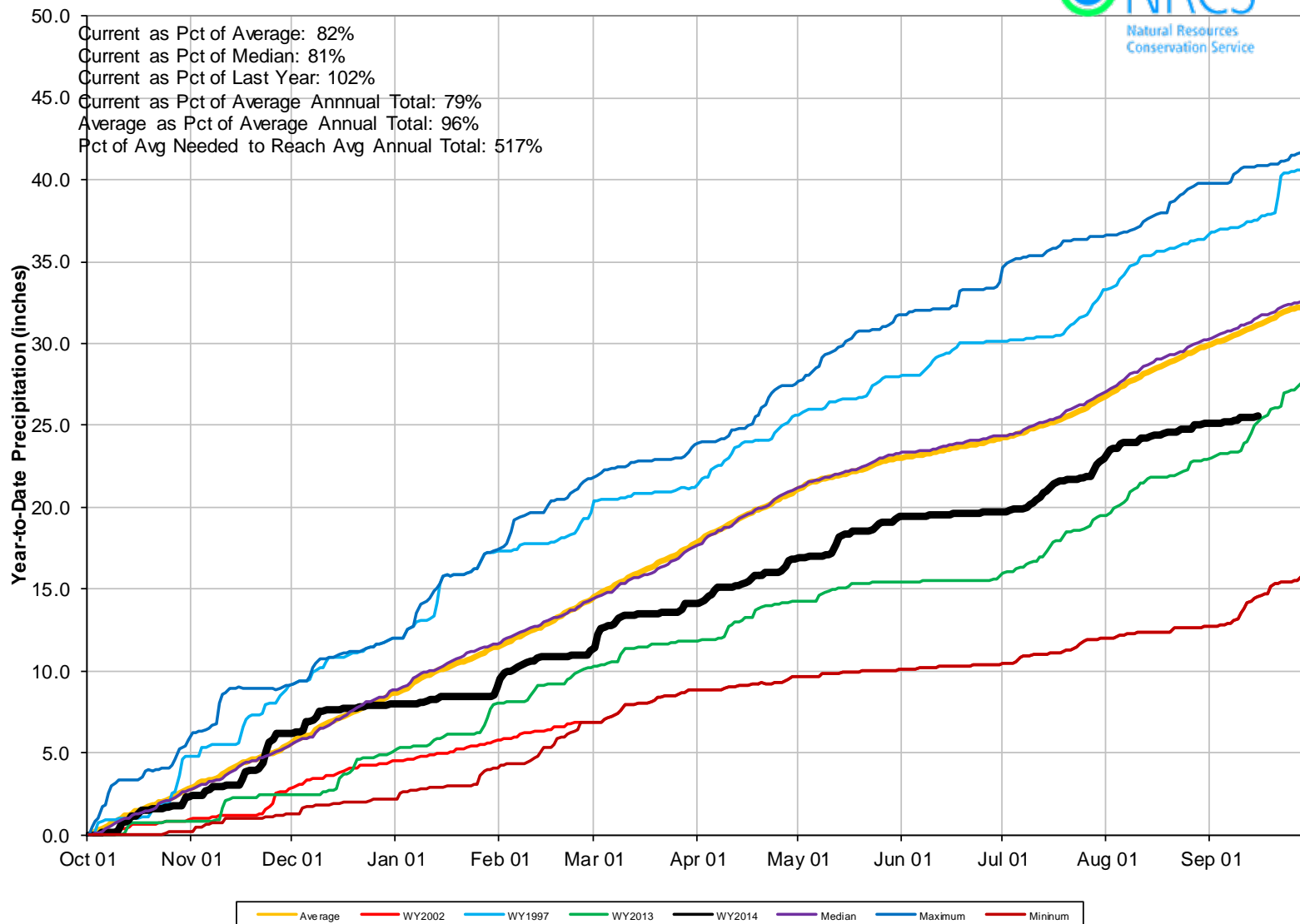
Based on Provisional SNOTEL data as of Sep 15, 2014





Upper Rio Grande Basin High/Low Year-to-Date Precipitation Summary

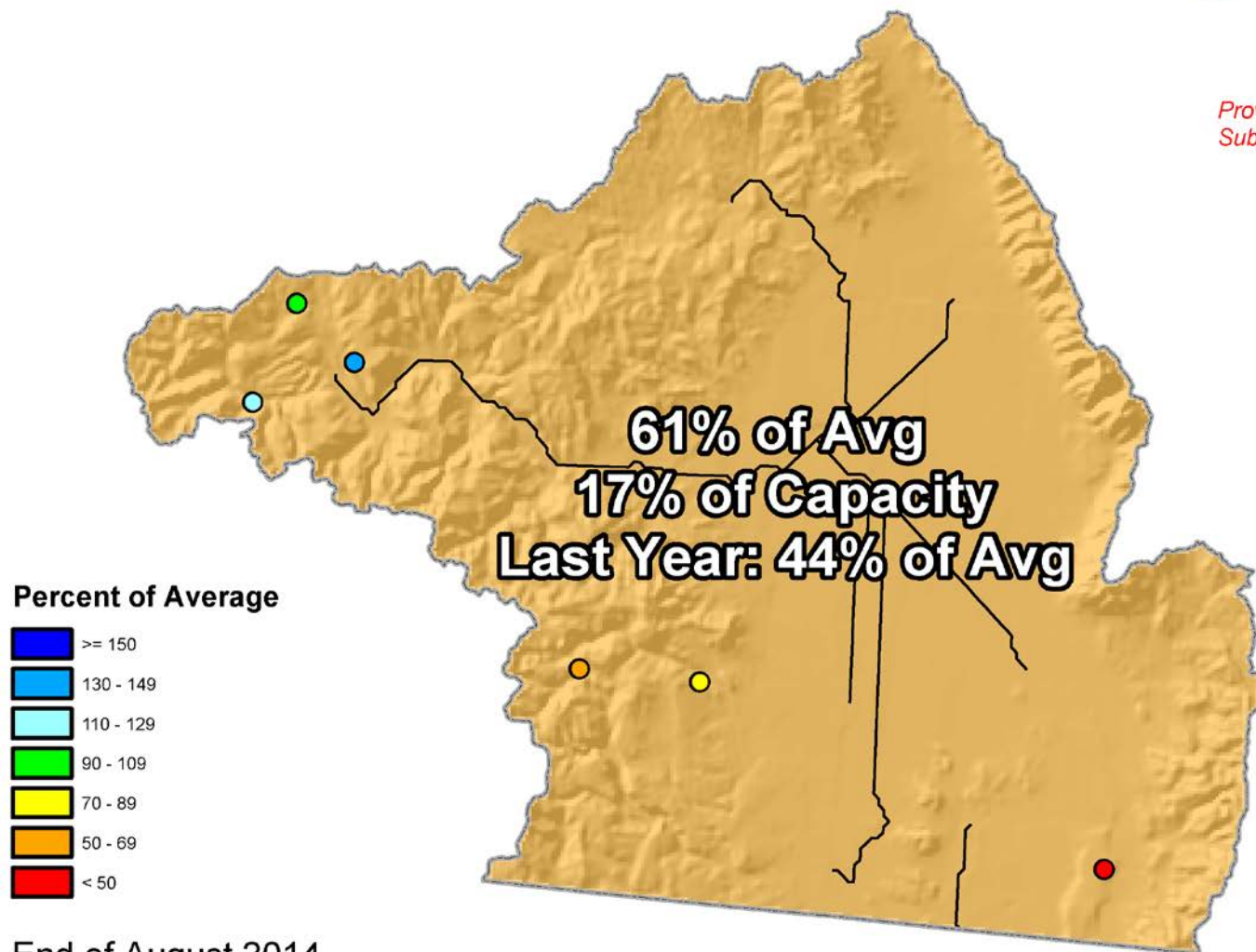
Based on Provisional SNOTEL data as of Sep 15, 2014



Upper Rio Grande Basin Reservoir Storage Map



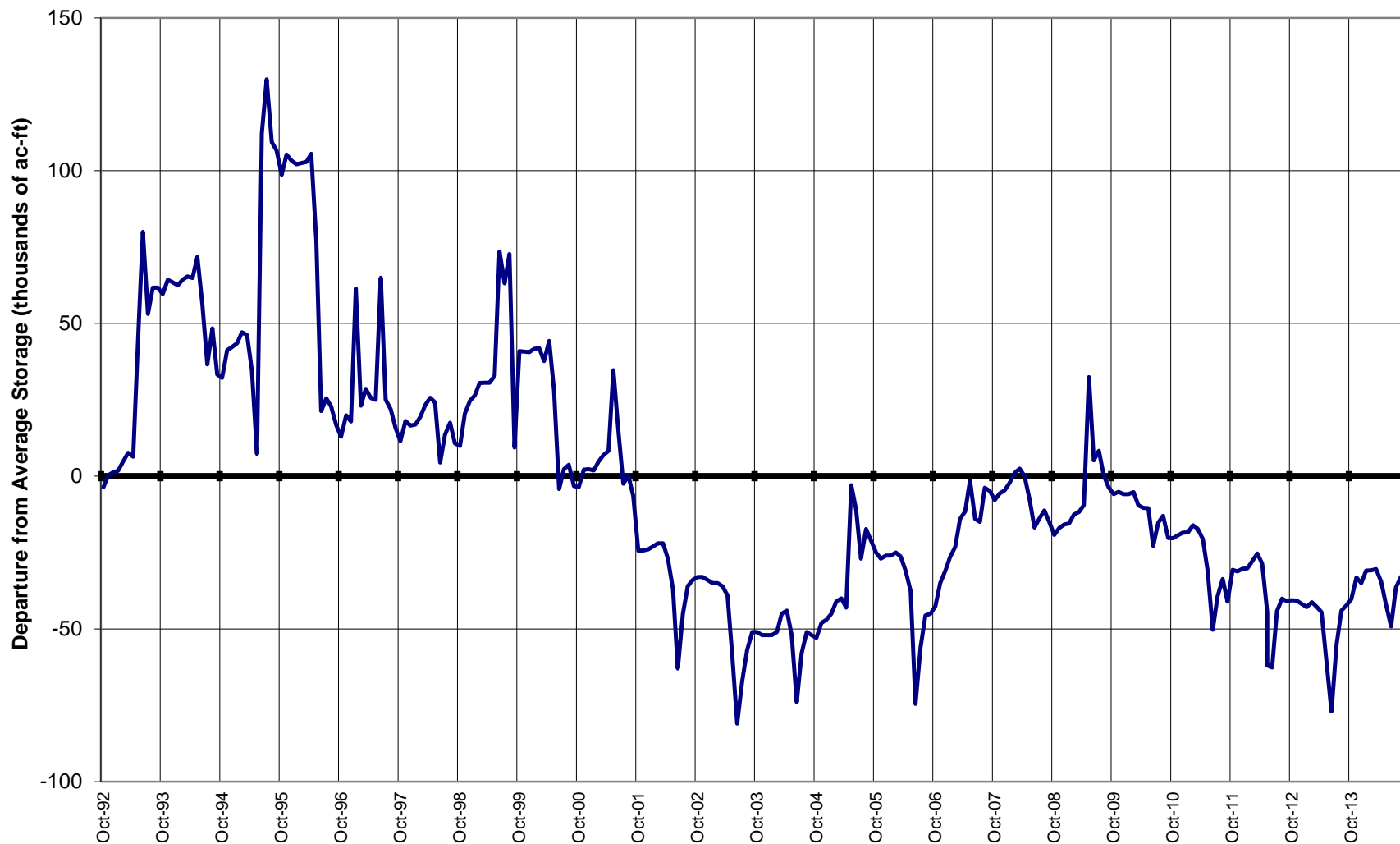
*Provisional Data
Subject to Revision*



End of August 2014



UPPER RIO GRANDE BASIN Reservoir Storage Departure from Average



Arkansas River Basin Summary





United States Department of Agriculture

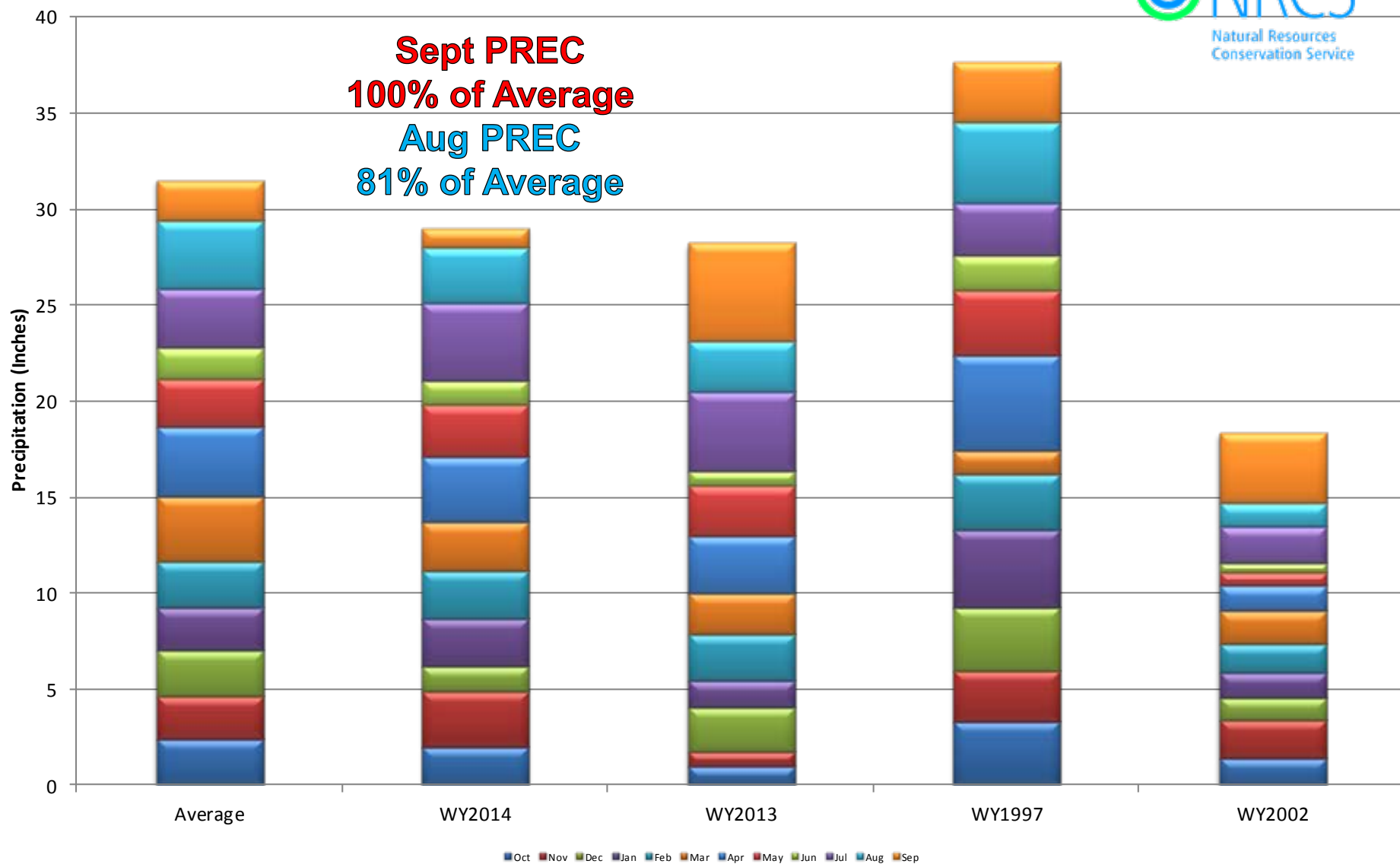
Colorado Snow Surveys

Arkansas River Basin High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of Sep 15, 2014

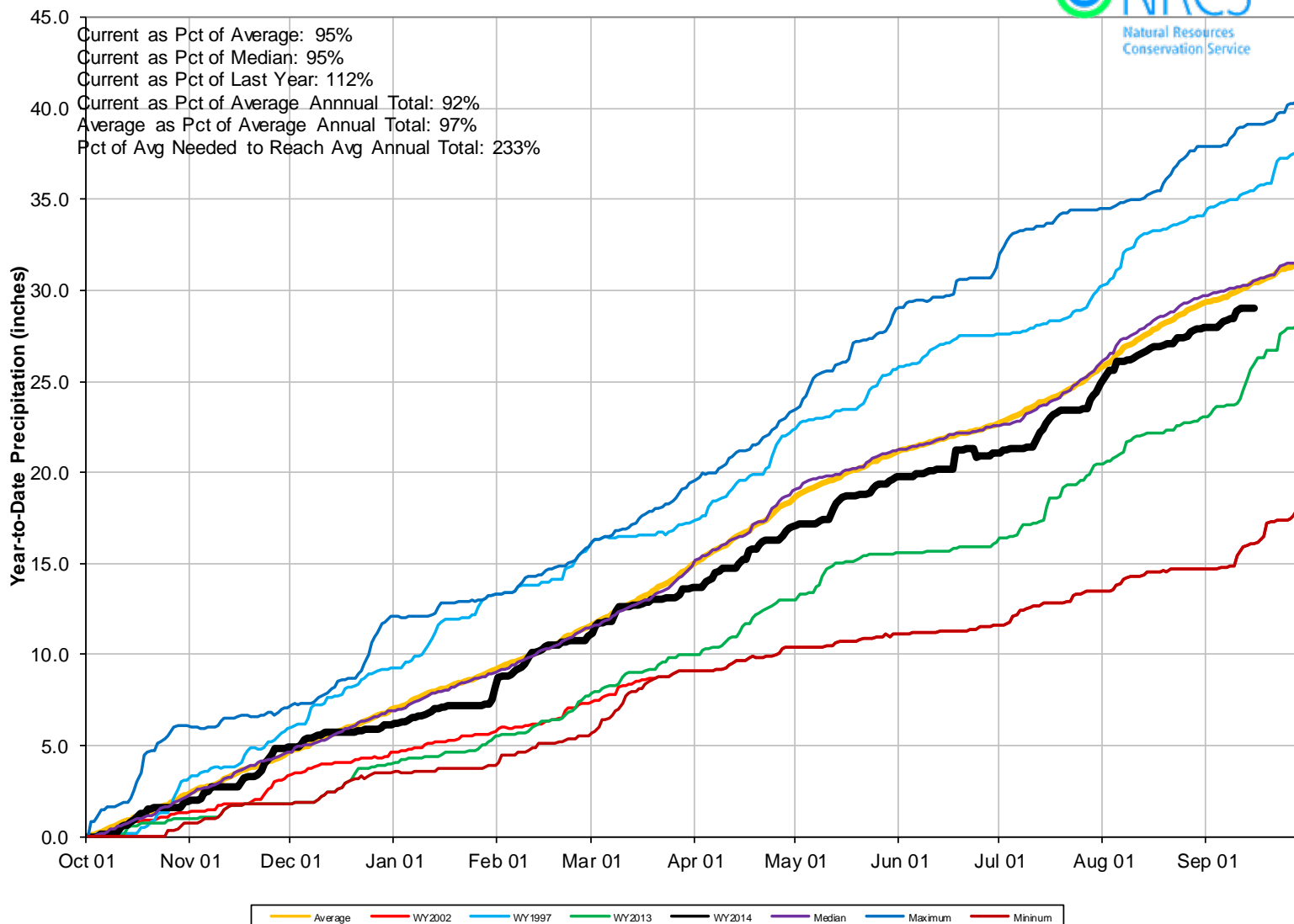


Sept PREC
100% of Average
Aug PREC
81% of Average



Arkansas River Basin High/Low Year-to-Date Precipitation Summary

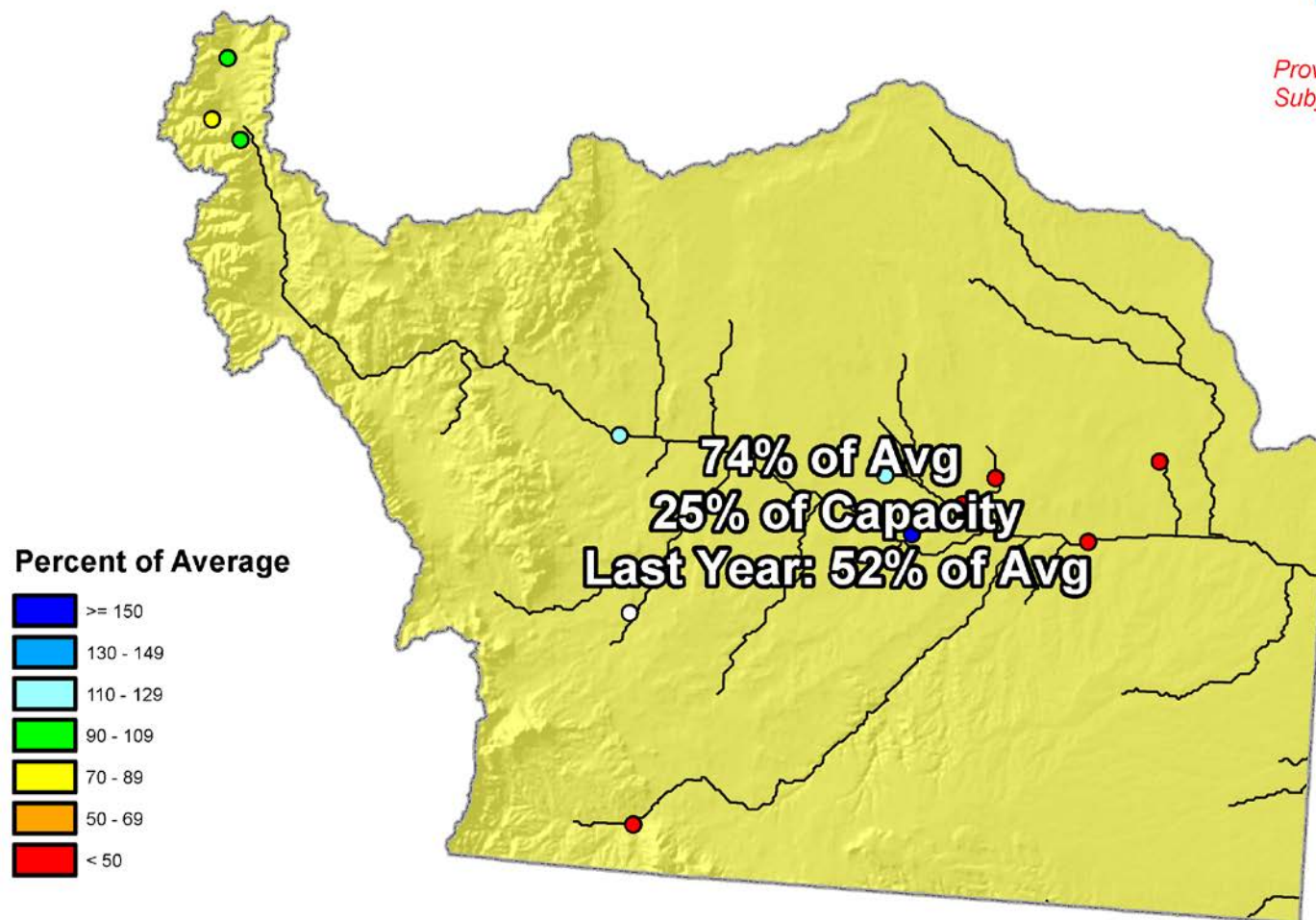
Based on Provisional SNOTEL data as of Sep 15, 2014



Arkansas River Basin Reservoir Storage Map



*Provisional Data
Subject to Revision*



End of August 2014



United States Department of Agriculture

Colorado Snow Surveys

ARKANSAS RIVER BASIN

Reservoir Storage
Departure from Average



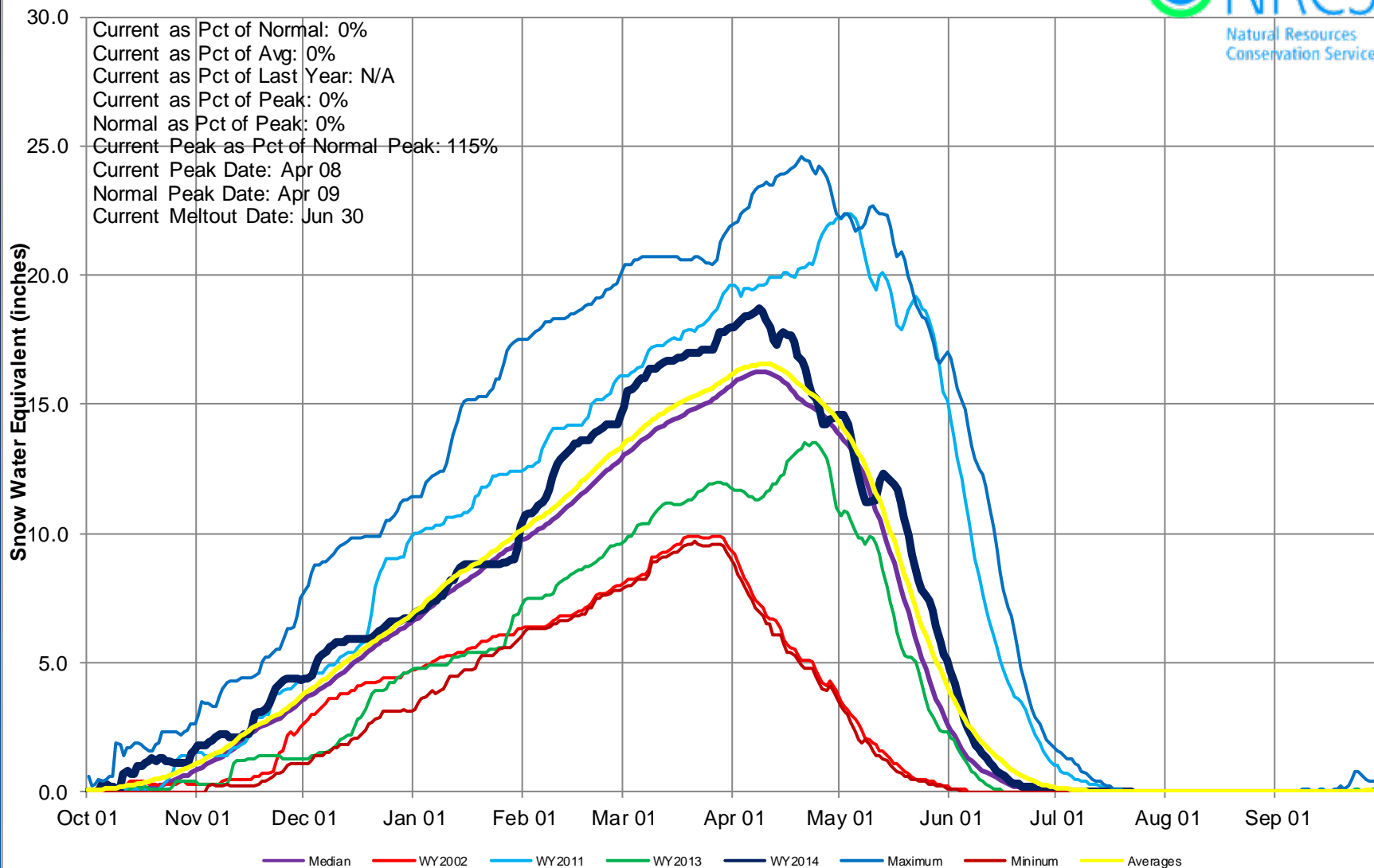
Colorado Statewide Summary





Colorado Statewide High/Low Snowpack Summary

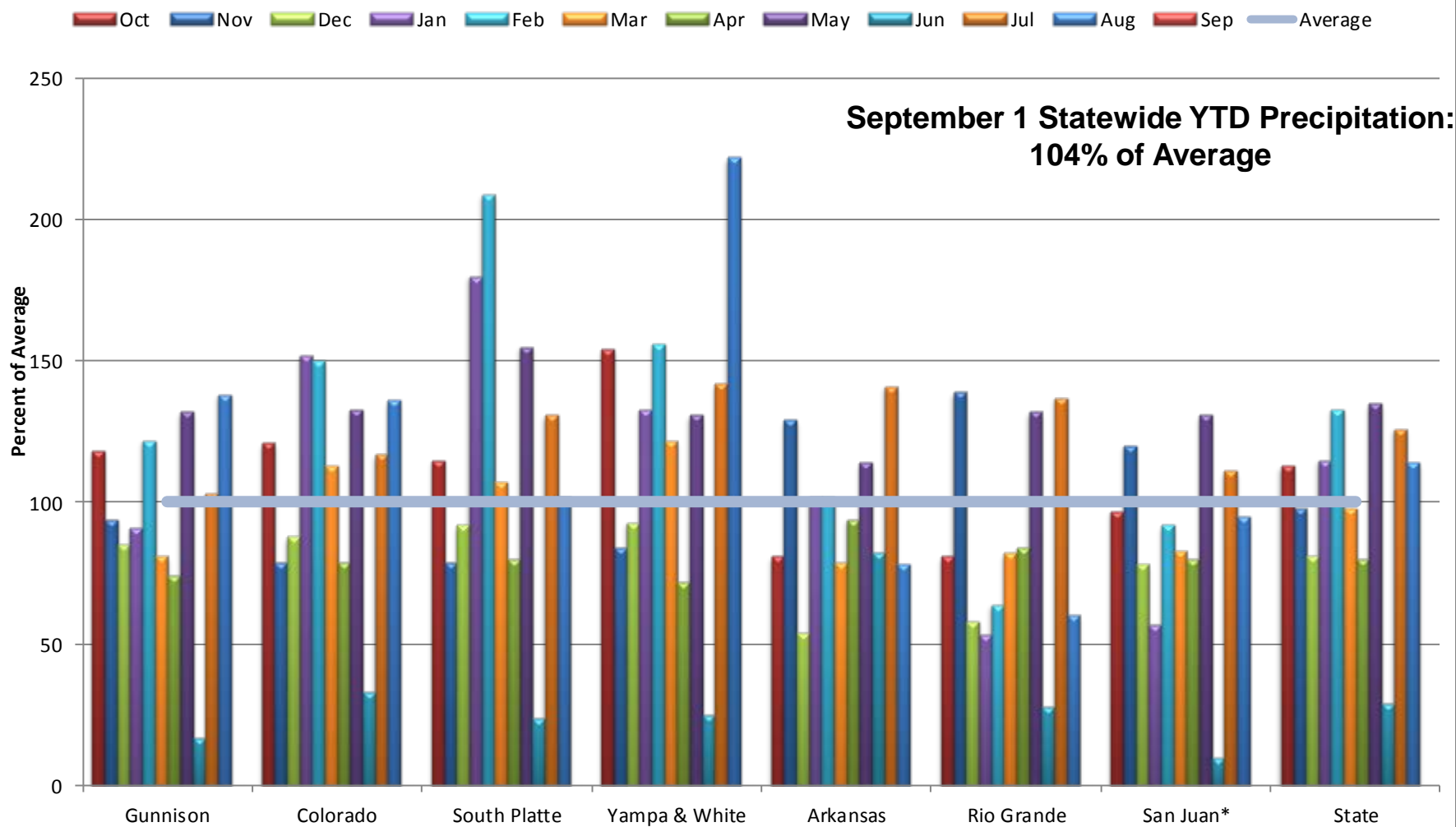
Based on Provisional SNOTEL data as of Jul 22, 2014





Colorado Monthly Precipitation Summary for WY2014

USDA Natural Resources Conservation Service



*Includes Animas, Dolores, San Miguel Basins

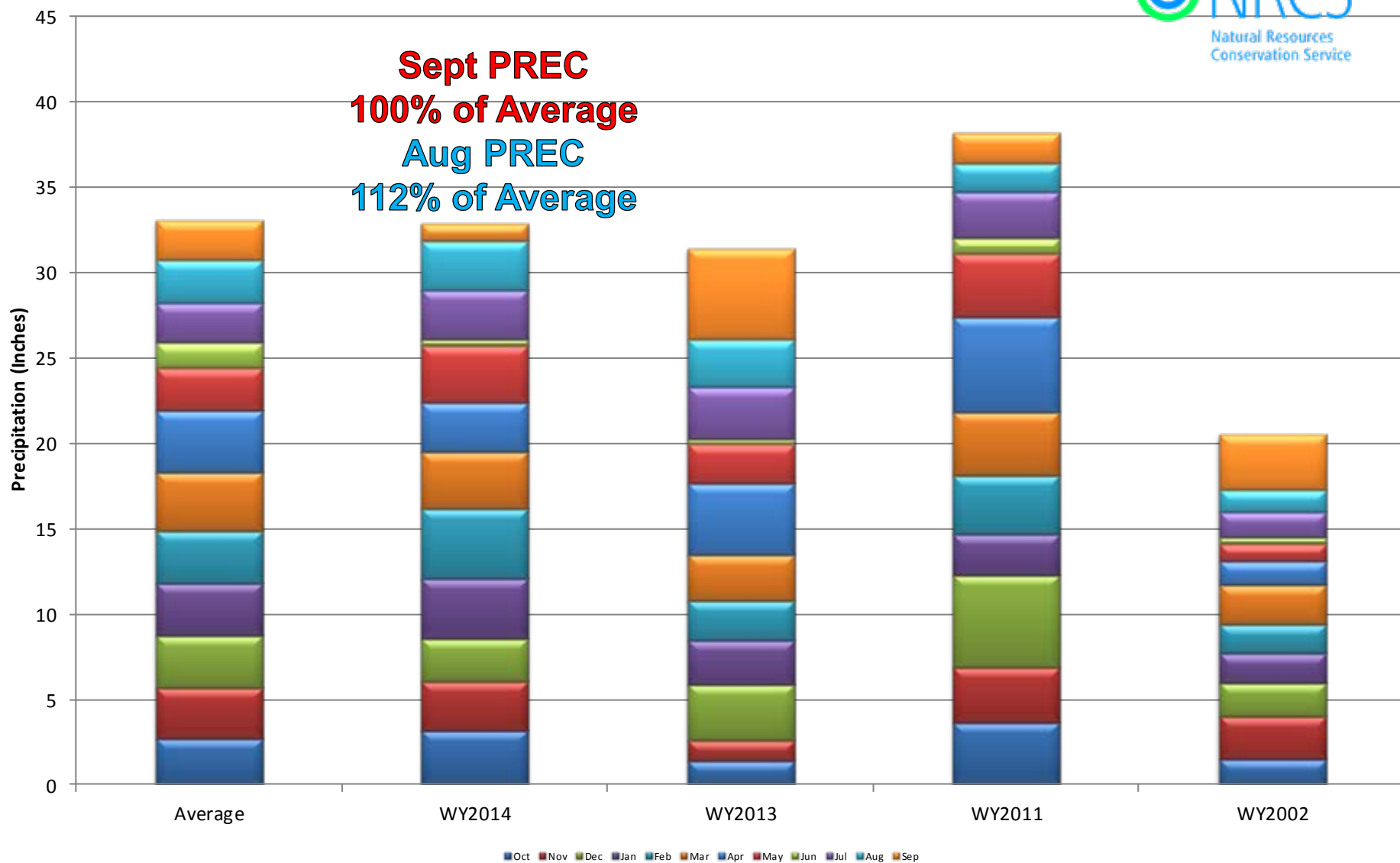


United States Department of Agriculture

Colorado Snow Surveys

Colorado Statewide High/Low Monthly Precipitation Summary

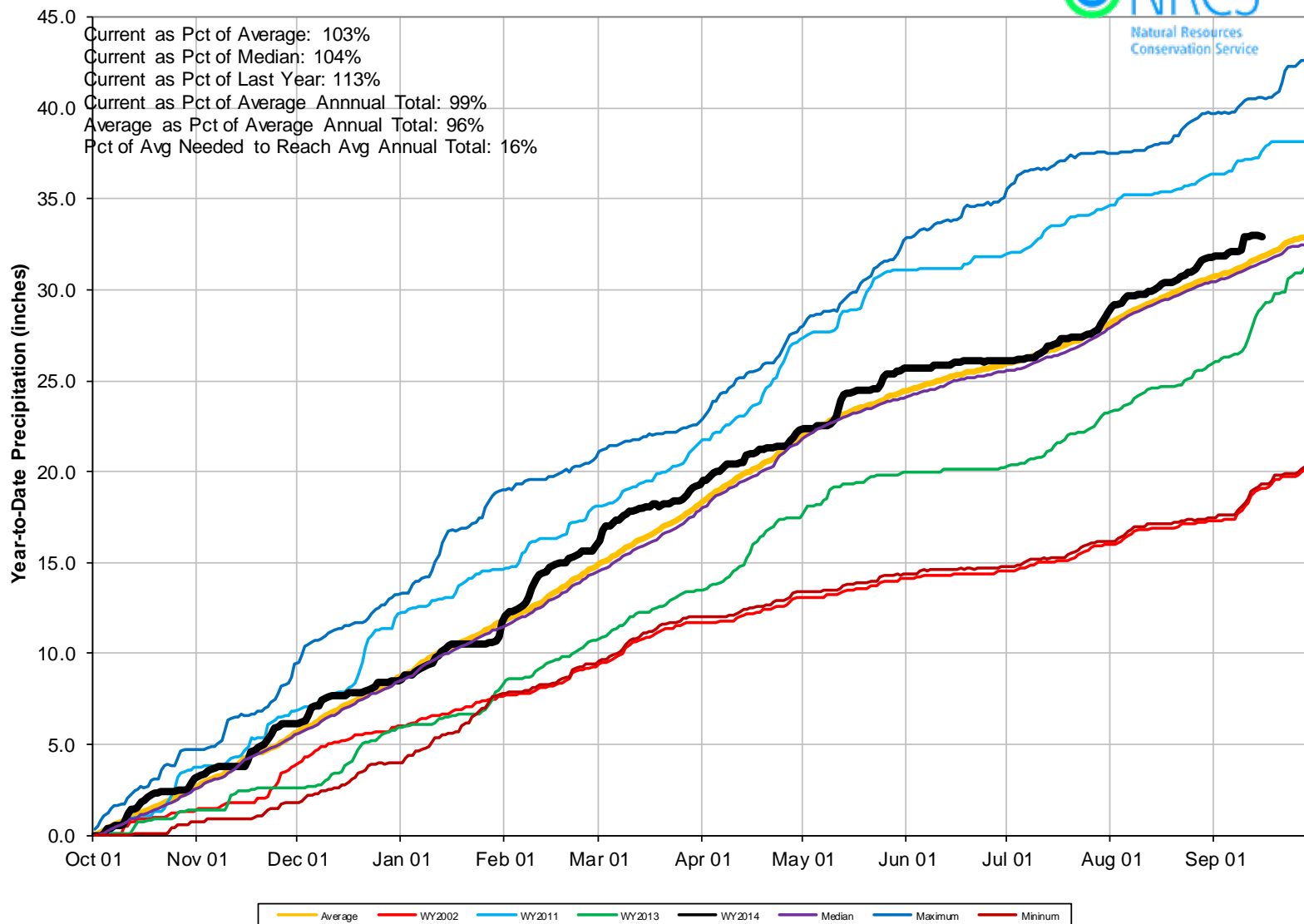
Based on Provisional SNOTEL data as of Sep 15, 2014





Colorado Statewide High/Low Year-to-Date Precipitation Summary

Based on Provisional SNOTEL data as of Sep 15, 2014

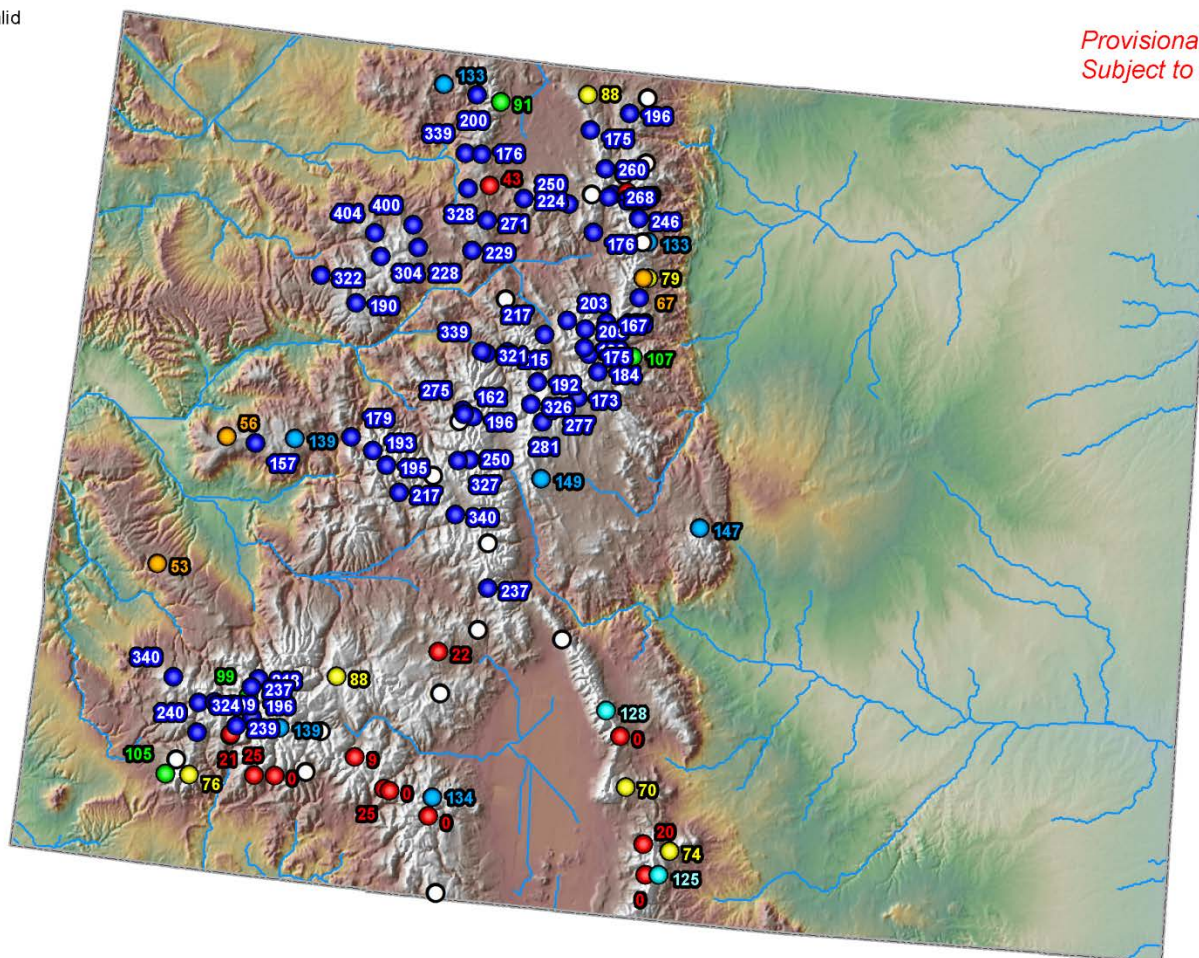


Colorado SNOTEL Month-to-Date Precipitation

Percent of Average

- Missing or Invalid
- < 50
- 50 - 69
- 70 - 89
- 90 - 109
- 110 - 129
- 130 - 149
- ≥ 150

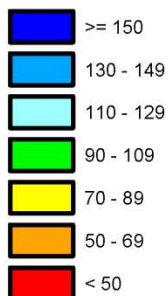
*Provisional Data
Subject to Revision*



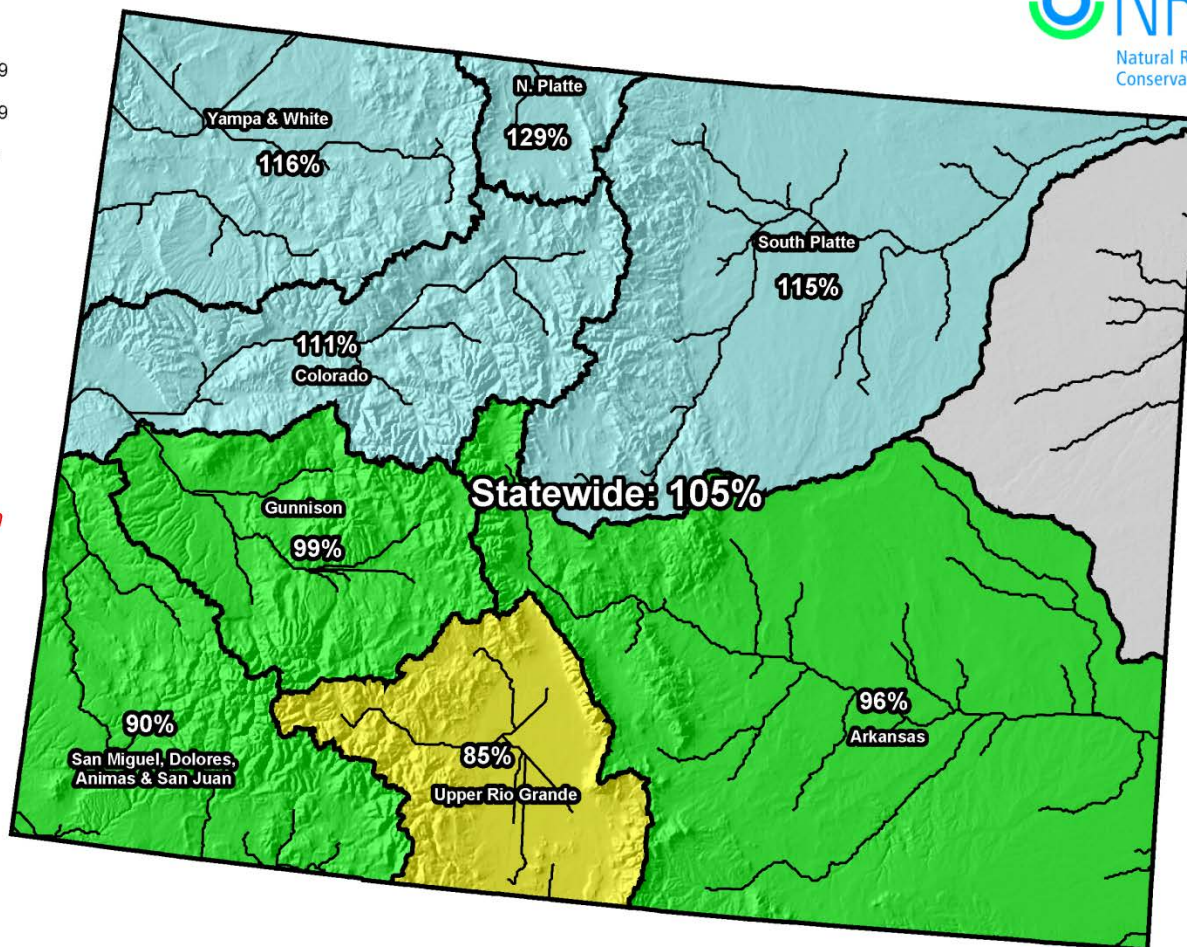
Current as of 09 11, 2014

Colorado SNOTEL Water Year-to-Date Precipitation Update Map

Percent of Average



*Provisional Data
Subject to Revision*



Current as of 09/12/2014

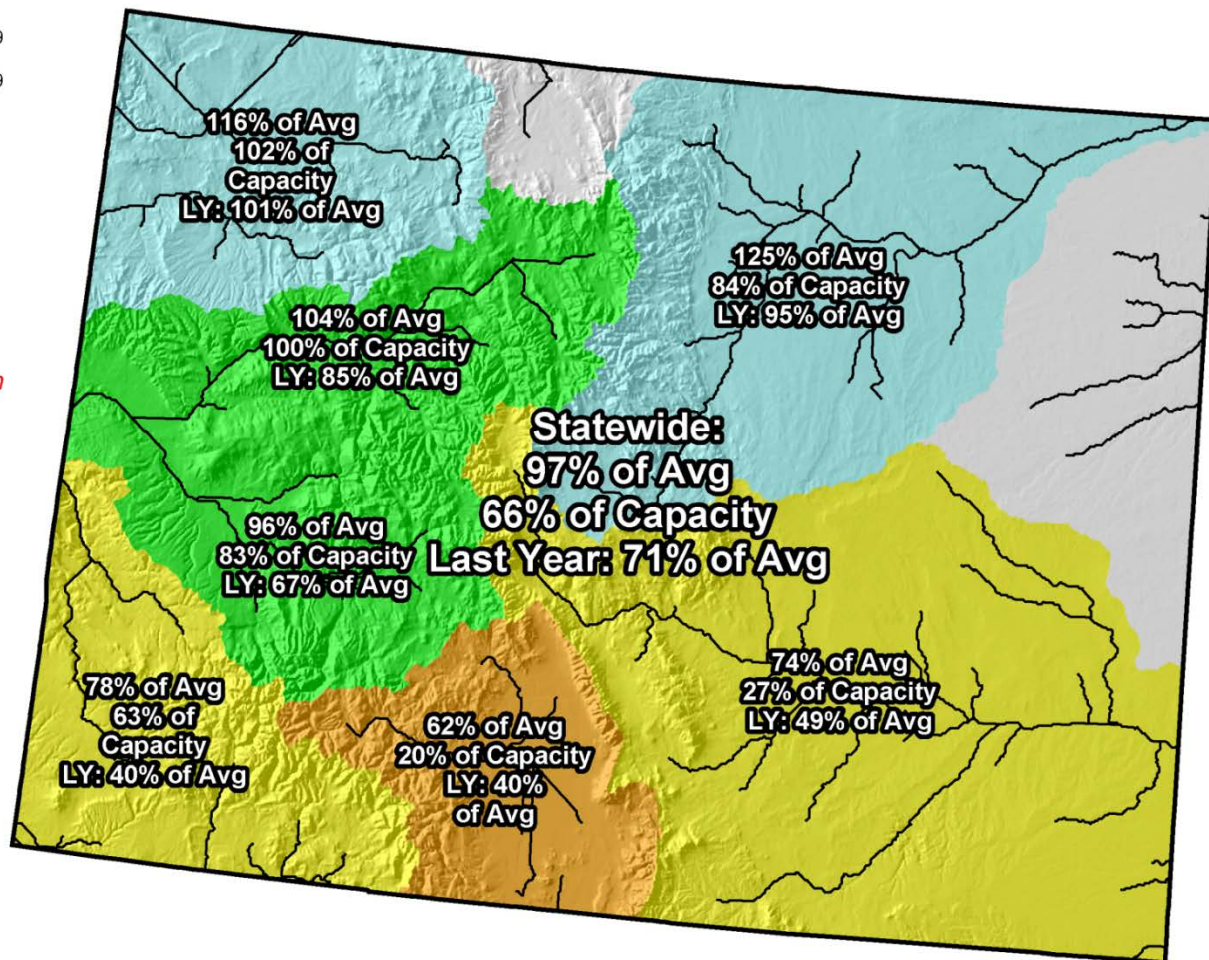
Colorado Reservoir Storage Map



Percent of Average



*Provisional Data
Subject to Revision*

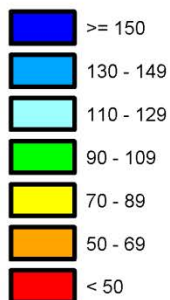


End of July 2014

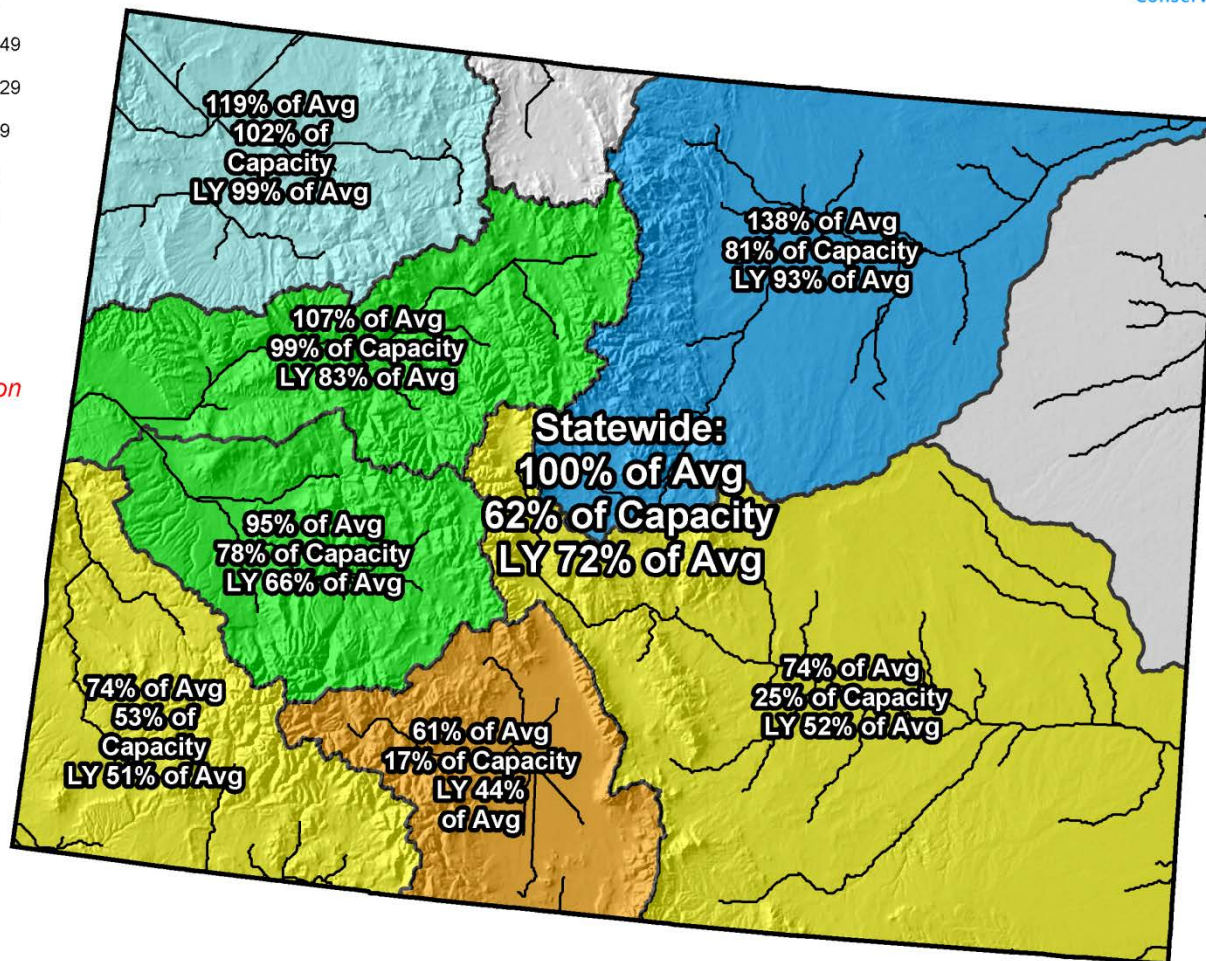
Colorado Reservoir Storage Map



Percent of Average



*Provisional Data
Subject to Revision*

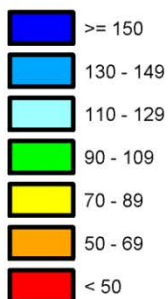


End of August 2014

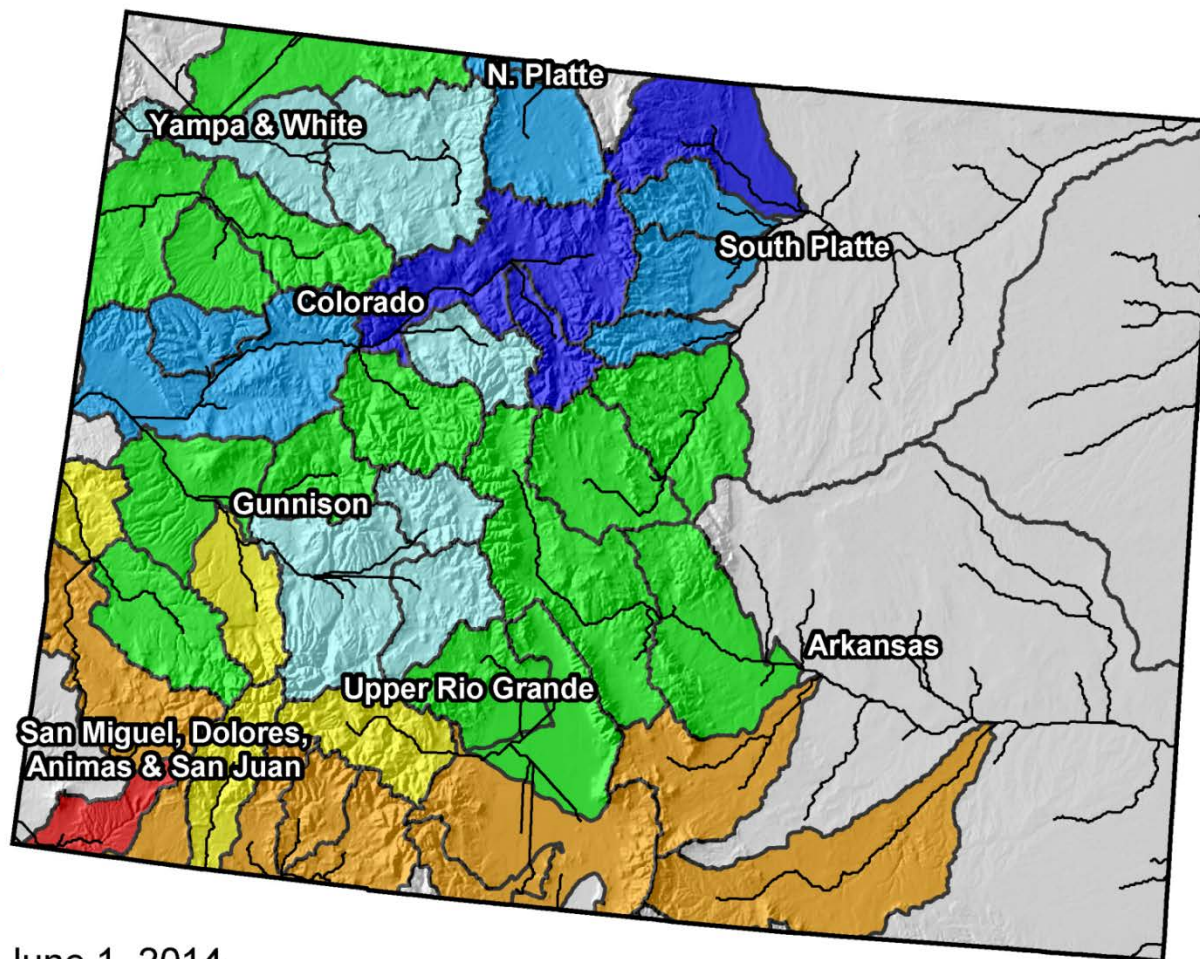
Colorado Streamflow Forecast Map



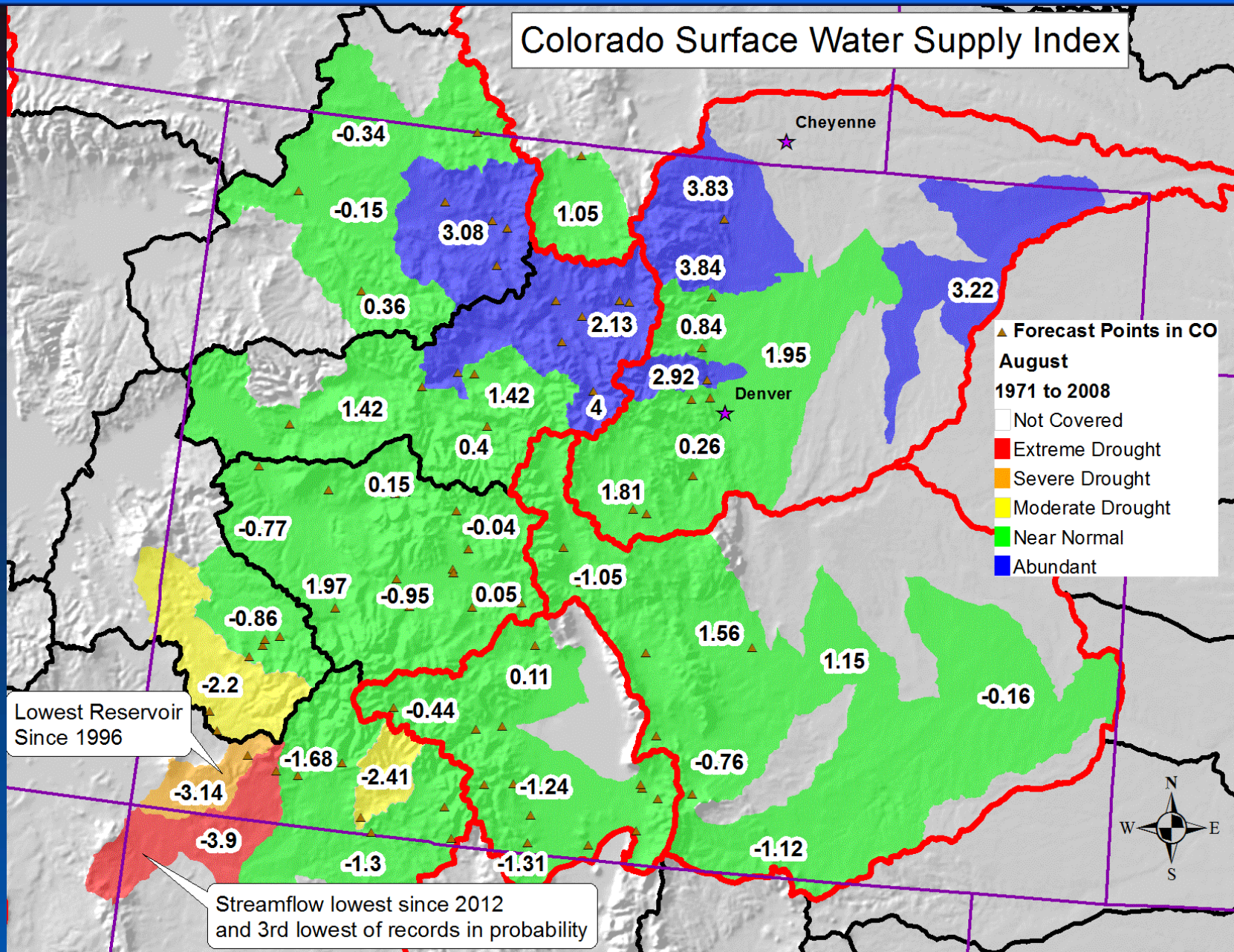
Percent of Average

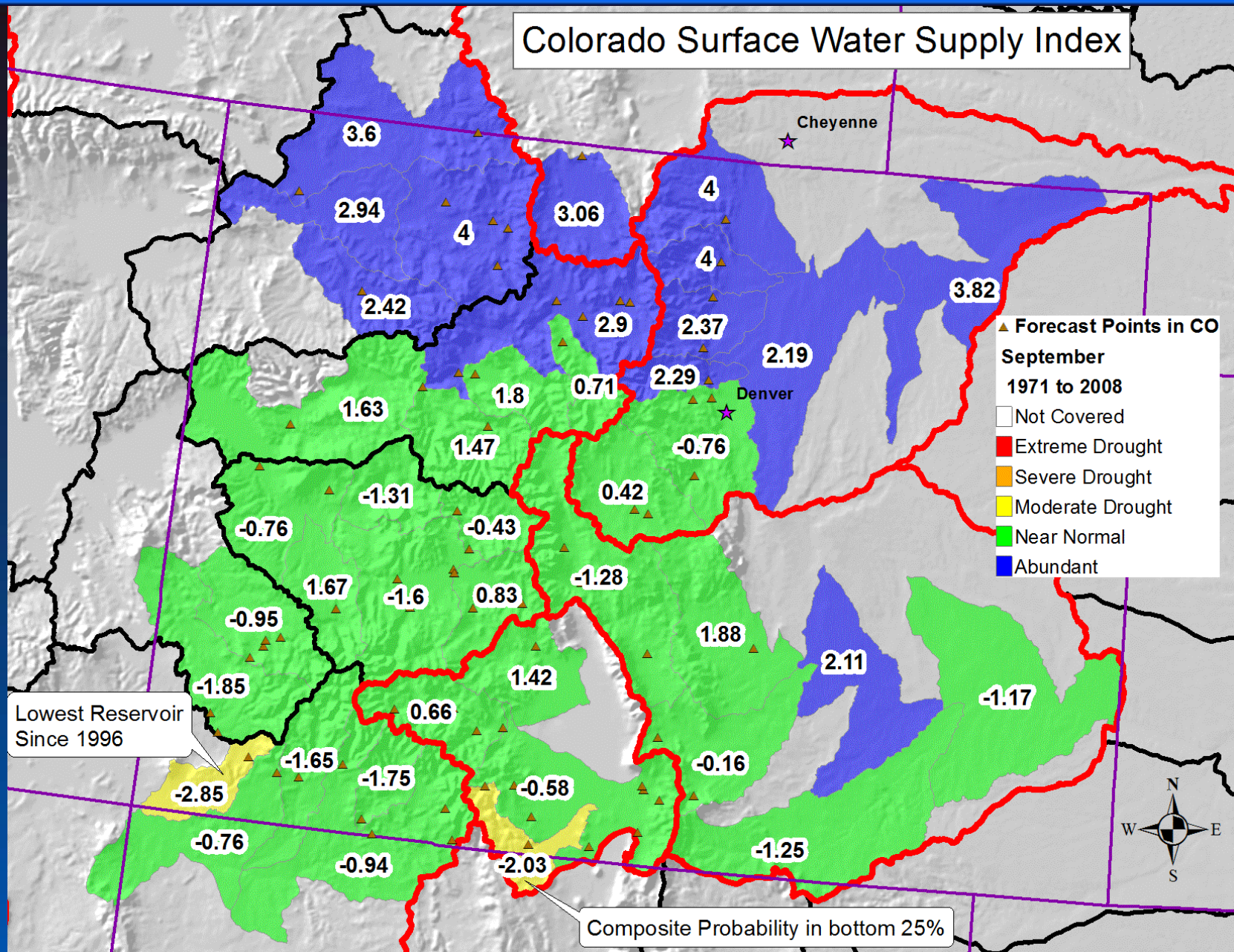


*Provisional Data
Subject to Revision*



Current as of June 1, 2014





Summary

- **Statewide August precipitation in the mountains of Colorado was 112% of average. But currently September is only 100%.**
- **Reservoir storage increased 3 percentage points from August 1 to September 1 ending at 100%.**
- **Without looking at the SWSI files themselves I would highly suspect that the receding streamflows are to blame for the dip in SWSIs.**
- **Colorado Snow Surveys is close to completing our SNOTEL maintenance for the summer. Next week we will again attempt to install the Sawtooth SNOTEL in the Upper Saint Vrain.**
- **Currently we are working to determine what the snow course measurement plan will be for this winter.**



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August 13th, 2014

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